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U. S. DEPARTMENT OF AGRICULTURE,

WEATHER BUREAU.

INSTRUCTIONS

FOR

PREPARING METEOROLOGICAL FORMS.

CLIMATOLOGICAL DIVISION.

WASHINGTON:

GOVERNMENT PRINTING OFFICE.

1920.

CLIMATOLOGICAL DIVISION

PREPARING METEOROLOGICAL FORMS

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WEATHER BUREAU

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CLIMATOLOGICAL DIVISION.

1. Meteorological Forms, when Mailed.—Forms No. 1001, No. 1015, No. 1017, No. 1028, No. 1068, No. 1072, No. 1073, No. 1074, No. 1075, and No. 1083, not later than the 10th; Form No. 1030, 1st, except when that date falls on Sunday it will be issued on the 2d; Forms No. 1002 and No. 1003, as soon as the correction letter for December Form No. 1001 is received.

2. When any form can not be mailed on the prescribed date, an explanation of the cause of delay will be forwarded to the Central Office on the day that it should have been mailed.

3. The barograph and thermograph traces, and Forms No. 1015, No. 1017, and No. 1028 will include the record for the last day of the month.

4. It is the policy of the Central Office not to surrender custody of any form that can not be duplicated after it has been received. The official in charge is therefore enjoined to see to it that all data required are extracted before such forms are mailed.

5. In forwarding the above-named forms to the Central Office write on the lower left-hand corner of the envelope, "Forms for Climatological Division."

6. In preparing Forms No. 1001, No. 1015, No. 1017, No. 1028, No. 1083, and barograph and thermograph trace sheets for mailing, the sheets will be arranged chronologically and fastened together with a Dennison or similar paper fastener.

7. Errors will be charged as follows: (1) Each original correction made in the examination will be counted as one error, but supplementary errors resulting from the original entry will not be charged. (2) A failure to comply with any instructions will be counted as one error when it has been clearly shown that such instructions have been received at the station. (3) If an observer has been charged with an error for failure to comply with any instructions, and again fails to do so on forms for succeeding months, he will be charged with an error for each erroneous entry in the form caused by his disregard for the instructions in question. (4) Errors of omission will be counted in the same manner as errors of commission.

8. An original error made in taking, reducing, or recording an observation, or in transcribing data from Form No. 1083, will be charged equally between the person taking the observation and the one who checks the data (one-half to each).

9. Officials in charge may assign an assistant of ability and trustworthiness to be responsible for the accuracy of Form No. 1001 in so far as relates to all matters of copying, compiling, computing, etc., but in all questions of judgment, where it is necessary to put a construction upon an order, ruling, etc., the matter will be decided by the official in charge.

10. Any assistant may be responsible for pages 4, 5, 6, 7, 11, and 13, of Form No. 1001, and Forms No. 1002 and No. 1003. This will give a careful assistant opportunity to make a record for accuracy, besides relieving the official in charge to some extent. The official in charge of the station, however, must continue to exercise general supervision over the meteorological work of his assistants, examining and checking it as frequently as may be necessary, and will be held jointly responsible with them for the general appearance and accuracy of all forms. He also will be held directly responsible for errors that can be detected by a cursory examination, and if the number of errors made at his station be unduly large it will be considered evidence that he is not giving proper attention to this duty, and he will be censured conjointly with the assistant or assistants making the errors. Messengers and student assistants will not be held responsible for any meteorological form without special permission.

11. The assistant preparing Form No. 1001 under the provisions of paragraph 9 will sign his name in the lower left-hand margin of page 9; those preparing pages 4, 5, 6, 7, 11, or 13 will sign on the lower left-hand margin of said pages.

12. Two persons will not sign as responsible for a page or form, except in case of sickness, absence, or relief from station, and then it will be stated for what portion each one is responsible.

13. An official relieved from charge of station or responsibility for forms will be held accountable for errors up to, but not including, the date of his relief. When so relieved he must plainly indicate on the forms the dates of his accountability.

14. Ditto marks (") will not be used in any form.

15. The station clock will be kept adjusted to the standard of time in local use.

16. All observations, with the exception of the 12 noon local mean time observation, will be taken on 75th meridian time, but the standard of time in local use will also be entered.

17. All instrumental records will be kept on the standard of time in local use.

18. All data on pages 2 and 3 of Form No. 1001, except days with light and dense fog, and the corresponding data on page 9, and all data on page 10, will be recorded in 75th meridian time. All other data, with the exception of the 12 noon local mean time observation, will be recorded in the standard of time in local use. Data on Form No. 1014, and the notes on Form No. 1083, unless otherwise noted, will be in the standard of time in local use.

FORM No. 4012, MIS.

19. Whenever an employee has reason to think that he has been wrongfully charged with errors, the correction letter will be returned at once, by indorsement, requesting a reexamination and stating what error or errors should not, in his opinion, be charged, with his reasons therefor. The matter will receive prompt and careful consideration, and should it be found that errors have been improperly charged they will be removed. If the errors charged are accepted, the letter will invariably be signed by the person or persons whose names appear in the body of the letter and promptly returned. In case of absence of the employee who is responsible for the accuracy of the data, it will be signed by the official in charge and forwarded to the one to whom the error or errors have been charged, to be noted by him and returned to the Central Office. Employees are enjoined to see to it that all corrections indicated and all resulting changes are made in Forms No. 1001, No. 1002, and No. 1014, and the Climatological Record. The carbon copy of the letter which accompanies it will be filed as a letter received.

FORM No. 1001.

20. This form will be kept clean, and all entries therein made in a neat, legible hand. The leaves should be separated for convenience in entering the data, but margins must not be trimmed.

21. Whenever, from any cause, an observation is not taken the reason therefor will be plainly written on the margin and a full report of the facts at once made to the Chief of the Weather Bureau.

22. If an observation has been taken late it will be recorded in brackets with the exact time at which it was taken and used in computing all means and averages the same as if taken on schedule time, unless the conditions have changed since the time for the observation, in which case the probable conditions at the proper time of observation will be determined from the recording instruments by interpolation. These interpolated values will be entered in red ink above the late readings and used in all means and deductions.

23. An observer may be occasionally prevented by legitimate causes from taking an observation on time, but in such a case the observation will be taken as soon as possible and recorded as of the time at which it was actually taken and disposed of as provided in paragraph 22, and a full report of the facts at once made to the Chief of the Weather Bureau. This report will always receive proper consideration.

24. An observer guilty of falsifying the record by reporting observations as taken at prescribed hours which were not actually so taken, or in any other manner whatsoever, will be summarily and severely dealt with, regardless of previous record or length of service.

25. All observations entered on Form No. 1083 will be immediately copied in the proper spaces in Form No. 1001. The retained record will contain pages 2, 3, 8 (except beginnings and endings of precipitation), 9, 10, and 13, and must be kept up to date. All footings on pages 4, 5, 7, and 11 of Form No. 1001 that are required to be entered in Form No. 1002 will be copied in the retained Form No. 1002 before mailing Form No. 1001.

26. The observation will be begun 20 minutes before 8 o'clock, 75th meridian time. The cipher report should be filed at the telegraph office at 8 a. m. or p. m., 75th meridian time. The 12 noon local mean time observation will be begun exactly at that hour.

27. Instruments will be read and conditions noted in the following order: (1) Clouds, (2) state of weather, (3) maximum and minimum thermometers, (4) dry and wet thermometers (and thermograph noted), (5) anemoscope, (6) rain gage (or snow gage), (7) register to anemometer, (8) attached thermometer to barometer, (9) barometer (and barograph noted).

28. All entries in this form must be made in black record ink except when otherwise directed. Red ink will not be used except in underscoring and when specially directed (see pars. 22, 59, 69, 91, and 221). On Forms No. 1001 and No. 1083 erroneous entries in columns for original readings should have an ink line drawn through them. The obliteration of any entry in columns for original readings on Forms No. 1001 and No. 1083 is prohibited.

29. Entries of direction of wind and clouds will be printed thus: N., NE., E., etc.

30. When crowded for room, notes will be put upon the margin.

31. Instructions relative to taking special observations are given in the Weather Code.

32. All meteorological observations taken will be checked, so far as possible, the following day by the employee responsible for their accuracy.

33. The day of the week on which the month begins will be entered on the left-hand margin of page 8, opposite the first date.

PRESSURE.

34. Actual Elevation.—The height of the zero points of the barometers of a station above sea level. The elevations of instruments will be entered to whole feet on *all meteorological forms*, except Form No. 1058, when these data are required.

35. Station Elevation.—The elevation above sea level adopted for a station at a basis to which all pressure observations at the station are correlated. The elevation on January 1, 1900, was adopted as the station elevation for each one in operation on that date. For stations opened subsequently, the elevation of the barometer at the time of opening of station will be adopted as the station elevation.

36. Removal Correction.—When an office is moved to new quarters and the elevation of the barometer is thereby changed, a proper correction will be applied to the barometric readings in the new location that will reduce the observed readings to the pressure appropriate to the "station elevation." This removal correction will be included in the sum of corrections, Form No. 1059, furnished by the Instrument Division.

37. Sum of Corrections.—A term embracing all the corrections that are practically constant for a given instrument and in a given location, namely, the correction for scale errors, capillarity, gravity, and the removal correction. This sum is given on Form No. 1059, furnished for each instrument.

38. Total Correction.—The correction for temperature, plus the "sum of corrections" as defined above.

39. Observed Reading.—The direct result of the reading of an instrument, uncorrected for any errors.

40. The barometer should be read and recorded to the nearest thousandth of an inch, and the reading will be immediately entered on Form No. 1083 before the reductions are made.

41. Station Pressure.—Corrections for instrumental error, gravity, temperature, and removal, preceded by the proper algebraic signs, will be applied to the observed barometer readings. The correction for temperature will be obtained from the barometer correction cards, as follows: Find at the top of the card the observed height of the barometer, and in the column headed "Attached thermometer" the reading of the attached thermometer; the number at the intersection of these lines will be the correction to be applied. If the reading of the thermometer be less than 29° above zero, the correction will be added, and if 29° or more it will be subtracted. For barometer or attached thermometer readings not given in the table the temperature correction will be determined by interpolation. The sum of corrections for instrumental error, gravity, and removal will be applied to the correction for temperature before recording the latter. Example: Observed barometer reading, 29.512; attached thermometer, 62.0; sum of corrections, +.008. The temperature correction card gives a correction of —.089, to which add the sum of correction + .008 = — .081 to be used and recorded in column headed "Total correction."

42. If the position of the barometer be changed and the elevation increased, .001 inch will be added to the sum of corrections for each foot of increase; if the elevation be decreased, .001 will be subtracted for each foot of decrease. These corrections will be applied pending the receipt of new correction cards.

43. Reduced Pressure.—The reduced barometer will be taken directly from the special table supplied to each station and will be entered to hundredths only. The temperature argument, at stations making two observations daily, will be the mean of the current temperature and that at the preceding regular observation; at stations making but one observation daily it will be the mean of the maximum and minimum temperatures as read at the time of observation. The pressure argument will be the station pressure to hundredths of an inch only (the third decimal being disposed of according to rule). Enter the table with the arguments as above described and find the point where the argument lines intersect; the value there given will be the reduced pressure. It will be necessary to interpolate for the hundredths when the station pressure falls between the tenths of an inch as given at the top of the table. No interpolation will be required for temperature argument if the table be extended so that for each temperature entered there is a difference of only one hundredth in the table. The temperature argument for a special observation will be the mean of that and the preceding regular observation.

TEMPERATURE.

45. All thermometers must be read and the readings recorded to the nearest tenth of a degree, except the attached thermometer, which will be read and recorded to the nearest half degree.

47. Instrumental corrections will not be applied to thermometer readings except when they are ± 0.3 or more in the case of mercurial thermometers, and ± 0.5 or more in the case of minimum or alcohol thermometers, except when the temperature is 42° or lower; and except when the wet thermometer reads higher than the dry, then all corrections will be applied to the readings of the dry and wet bulb thermometers. The corrections furnished are for each 10°, and will be applied algebraically to the scale readings of the thermometers before recording the same. For a scale reading between those for which corrections are given, an interpolated value of the correction will be used. Example: For a reading of 62.0° the correction is —0.5°. The true temperature is, therefore, 62.0° —0.5°=61.5°. For a reading of —8.0° the correction is —1.2°, the true temperature is —8.0°—1.2°= —9.2°. For a reading of —28.0° the correction is +7.8°, the true temperature is —28.0° +7.8°= —20.2°. The corrections of thermometers are given on the cards only as low as actual comparisons have been made with substandards. If it should happen that a reading of a thermometer is obtained at a point lower than any for which its corrections are given, then the corrections will be determined by continuing the same ratio of increase or decrease as between the last 30° for which the corrections are given. Example: The correction at +2° is —0.6°, and at —28.0° is —2°. The change of correction between +2° and —28° is —1.4°. For 7° it is about —0.3°. For a scale reading of —35.0°, which is 7° below —28.0°, the correction is —2.3°, and the true temperature is —35.0°—2.3°=—37.3°. When the signs of the temperature and the correction are the same, add; when different, subtract.

48. The maximum and minimum thermometers will be set both at the a. m. and p. m. regular observations. They will not be set when taking special observations.

49. Observers should always note whether there is agreement in the temperature values given by the several thermometers; that is to say, (1) the top of the alcohol column of the minimum should indicate the same or nearly the same temperature as shown by the dry thermometer; (2) the minimum thermometer readings should be as low as, or lower than, the dry thermometer at the current and preceding observations; (3) the maximum thermometer reading should be as high as, or higher than, the dry thermometer at the current and preceding observations. Readings contrary to the above rules, if the instruments are properly set and read, are abnormal, and steps will be taken at once to discover and remove the cause or replace the instrument if defective. Small differences, however, amounting in some cases to nearly or quite a degree, will occasionally be found to occur. On such occasions the exact readings must be recorded, with an explanatory note.

50. The wet thermometer should always be kept in proper condition, the bulb and muslin cover clean and carefully moistened preceding each observation. In damp, foggy weather it may sometimes read higher than the dry thermometer after all instrumental corrections have been applied, in which case enter the corrected reading of the instrument, but inclose it in brackets, and enter the corrected reading of the dry thermometer above it and use the latter in obtaining the footings; record the reading of the dry bulb as the temperature of the dew-point, and the relative humidity as 100 per cent, with an explanatory note on the margin.

51. When the temperature of the air is below that at which mercury freezes, the temperature as indicated at the top of the alcohol column of the minimum thermometer will be entered as the readings of the dry and wet

bulb thermometers, and also as that of the dew-point, and the relative humidity will be recorded as 100 per cent.

During the prevalence of low temperature, but above the freezing point of mercury, the wet bulb covering should be saturated a few minutes before beginning the observation; and whenever, after diligent effort, it is found impossible to cause the wet thermometer to read as low as, or lower than, the dry thermometer after applying all corrections—any incidental moisture on the dry bulb being removed—the reading of the wet thermometer will be recorded as corrected and inclosed in brackets, and the reading of the dry thermometer entered above it and used in obtaining sums and means. The dry thermometer reading will be recorded as the temperature of the dew-point, and the relative humidity as 100 per cent. Explanatory notes should indicate when these conditions occur.

52. The dew-point, relative humidity, and vapor pressure will be obtained in accordance with the tables furnished; the dew-point will be entered to the nearest whole degree, the relative humidity to the nearest whole per cent, and the vapor pressure to the nearest thousandth of an inch.

53. All daily temperature values on page 8 will be entered in whole degrees only, the tenths of degrees being disposed of according to rule.

54. At stations having a thermograph the maximum and minimum temperatures on page 8 will be taken from the maximum and minimum thermometer readings on pages 2 and 3 (see paragraphs 55 and 56) except when the true maximum or minimum for the day, midnight to midnight, can not thus be obtained, in which event it will be obtained from the corrected thermograph trace (see paragraph 219). At stations not having a thermograph the maximum and minimum will be obtained in accordance with paragraphs 55 and 56.

55. The maximum temperature for the day will be taken from the p. m. observation, except under the following conditions: (1) The maximum temperature recorded at the a. m. observation of the next day will be used when it is higher than the maximum at the p. m. observation and is believed to have occurred before midnight; (2) the maximum temperature recorded at the preceding a. m. observation will be used when it is believed to have occurred after midnight and is higher than any temperature recorded after the a. m. observation of that day. The maximum of any day must be as high as the minimum of the preceding day.

56. The minimum temperature for the day will be taken from the a. m. observation, except under the following conditions: (1) When a lower minimum is recorded at the p. m. observation, it will be used; (2) when the minimum recorded at the following a. m. observation is lower than that recorded during the preceding day, and is believed to have occurred before midnight, it will be used; (3) when the minimum recorded at the a. m. observation of the current day is believed to have occurred before midnight the minimum temperature for the day will be taken from the p. m. observation, unless example (2) requires it to be taken from the following a. m. observation. The range is the difference between the maximum and minimum.

57. The mean (max. and min.) temperature for the day is the sum of the maximum and minimum (as recorded on page 8) divided by 2, and will be recorded to whole degrees only, the tenths being disposed of according to rule. This mean will be used on all forms and reports as the daily mean temperature.

58. The change of temperature is the difference between the mean temperature of the previous and that of the current day.

59. Hourly Readings.—At stations designated by the Central Office the hourly readings of the thermograph, at the exact hour, after being corrected for instrumental error in accordance with instructions, will be entered in black ink on page 5 in whole numbers. The readings at 8 a. m. and 8 p. m., 75th meridian time, and at all other hours at which eye readings are made of the dry thermometer, when they correspond to an exact hour, standard of time in local use, will be entered in the proper hours, and in the same hour column will be written, in red ink, with its appropriate sign, the correction for the self-registering instrument (see paragraphs 212 and 217–222). All eye readings at hours other than 8 a. m. and 8 p. m., 75th meridian time, will be underscored in red ink.

60. In case the register fails to record for a portion of the day, the missing data should be supplied by interpolation; the data thus obtained will be connected by an asterisk to an explanatory note on the margin of the form.

61. Only data for whole days will be used in obtaining sums and means.

62. Footings.—The sums and means will be determined from the data entered in accordance with the foregoing instructions, the means being recorded to tenths.

63. Average Hourly Readings.—The mean of the column headed "Sum" will be obtained by dividing the total sum by the number of hours in the month.

64. Page 4 will be prepared at all stations where an automatic record of sunshine is made, except at those that have been authorized not to do so. The character of the day and average cloudiness will be entered at all stations.

65. With the exception mentioned in paragraph 71, the actual time sunshine as recorded during each hour will be entered to the nearest tenth of an hour in the appropriate columns under heading "Sunshine recorded during hours ending" (4 a. m. to 9 p. m., standard of time in local use).

66. The "Character of sunrise and sunset" will be recorded as clear, cloudy, foggy, hazy, or smoky, depending upon whether the sun was visible or obscured at the time of sunrise or sunset. When the character of sunrise or sunset is cloudy, foggy, hazy, or smoky the time these conditions obtained will be deducted from the full possible twilight correction.

67. It is not intended that observers shall go on duty at unreasonably early hours in order that the character of sunrise may be determined, but it is believed that, without much inconvenience, sufficiently accurate data can be obtained by noticing the character of weather immediately upon rising and by inquiry of persons who may have occasion to be up at time of sunrise.

68. The "Twilight correction" will be the difference between the time of sunrise for the latitude of station (as shown by Sunshine Table, Edition 1905) and the time at which the sunshine record began, and the difference between the time the sunshine record ended and the time of sunset (shown by table), provided the sky was clear during both these periods. If there were clouds, fog, etc., on the horizon sufficient to obscure the sun, either morning or evening, the time the sun was obscured should be deducted from the correction, as determined above.

69. The twilight correction will be apportioned among the morning and evening hours during which the sun shone and the register failed to record. The amount which belongs to each hour will be entered in red ink to the left of and above the entry of the amount of recorded sunshine. The twi-

light correction thus entered will be included in the sums entered at the bottom of the page.

70. Under " Hours of sunshine " the column headed " Total " will be the total recorded, including twilight correction. The " Possible hours of sunshine," recorded in the succeeding column, will be computed from the time of sunrise and sunset, as previously taken from Sunshine Table, Edition 1905.

71. In order that the first and last of the monthly " sums " under " hours ending " shall not be discordant with the " divisors " employed at the end of the month, the first and last fractional proportions of the " twilight correction " will be recorded each day to the nearest hundredth of an hour, provided the sun when at the horizon was not obscured; all other entries will be to the nearest tenth.

72. The " Percentage of possible hours of sunshine " will be obtained by dividing the total for each day (total recorded, plus twilight correction), multiplied by 100, by the " Possible " for the same date.

73. The daily sunshine percentage may, at the option of the official in charge, be entered on the right-hand margin of page 8, retained Form 1001.

74. The " Percentage of possible for each hour " will be determined by dividing the " Sums," multiplied by 100, by the number of hours of possible sunshine for the entire month during the hour indicated by the heading of the column. Except for the hours ending shortly after sunrise or sunset the " Hours of possible sunshine " will be the same number as there are days in the month. The divisors to be used for the hours ending shortly after sunrise and sunset are given in Sunshine Table, Edition 1905. The " Percentage of possible " for the month will be determined by dividing the sum of column headed " Total," multiplied by 100, by the " Possible " for the month. The possible hours for the month is not always the sum of the daily totals. (See paragraph 28, Circular G.)

75. All percentages will be recorded to the nearest whole per cent.

76. If at any time the amount of sunshine recorded by the instrument is known to be incorrect, either because the instrument fails to record when the sun is faintly obscured by thin haze, cloud, light fog, or light smoke, or because it continues to record for moderate cloudiness which obscures the disk of the sun, the true amount, as determined by eye observations, will be entered in the proper hour spaces in black ink and an explanatory note made on the margin of the form and on the original record sheets. A slight readjustment of the angle of inclination of the glass tube will eliminate imperfect results of this character with the electrical sunshine recorder.

77. No twilight corrections for the first and last hours will be entered under the conditions given in paragraph 76, but the record for the entire time will be in black ink, and the entries for the fractional hours will be recorded to hundredths.

78. When hills, trees, or buildings in easterly and westerly directions cause the actual times of sunrise and sunset to differ from those in the table, the observer will note, about the 15th of each month, or oftener if the horizon is very irregular, the time of actual sunrise and sunset, for the center of the sun's disk, and note those observations on the margin of the page.

WIND.

79. The current velocity, and maximum velocity since last observation, will be obtained in accordance with paragraphs 176–179. When the anemometer cups are not moving at the time of observation the wind will be recorded as calm, whether or not 1 or more than 1 mile has been recorded during the last hour; if the cups are moving, a velocity of 1 mile or more will be recorded. The maximum velocity will be entered on pages 2 and 3 only when it equals or exceeds 25 miles per hour. Where but one observation is taken daily, enter the prescribed velocity for the twelve hours preceding the observation and omit entry for the succeeding twelve hours.

80. The maximum velocity must always be equal to or greater than the current velocity, and will have but one direction recorded therewith.

81. The current velocity will be the reading at the time of taking the observation, i. e., between 7.40 and 8 o'clock, 75th meridian time. The maximum velocity will be the highest velocity for a five-minute period during the twelve hours preceding the regular observation.

82. Whenever there is a break in the record, enter note with the maximum velocity for each twelve hours, and for the day, stating the time for which they are a record.

83. The total movement for the twenty-four hours ending at 12 midnight will be used as the total daily movement.

84. The prevailing direction of the wind for each hour will be entered in the hour spaces, page 6. Only one entry will be made as the prevailing direction for any single hour. If two or more directions are recorded an equal number of times on Form 1017, consider the directions adjacent to the hour in determining the direction to be entered as prevailing. When the wind movement for any hour is entered as "0" the direction for that hour will also be " 0."

85. The prevailing direction for the day, and for the hour as recorded at the foot of page 6, is the direction or directions which appear most frequently in the respective line and column.

86. The direction recorded the greatest number of times during the month will be considered and entered as the prevailing direction for that period. If two or more directions occur an equal number of times, consider the adjacent directions in determining the prevailing direction for the month. Only one direction will be entered.

87. Hourly Wind Movement.—The number of miles of wind recorded each hour will be entered for each day on page 7.

88. In counting the number of miles of wind for each hour the closing of the circuit should be counted as the mile and should be given to the hour in which the circuit closed.

89. The record for each day on pages 6 and 7 must be completed on the day following that for which the entries are made, or as soon thereafter as practicable, and the total for each day compared with the total from midnight to midnight, for the same period of time, entered on the face of the wind sheet.

90. The average hourly velocity will be obtained by dividing the total movement by the number of hours in the month.

91. The maximum velocity during the hour will be entered in red ink in the upper left-hand corner of the hour space each hour that the maximum velocity exceeds the limit fixed by the official in charge, for entry in Form No. 1014 (see par. 165). This velocity will be entered in the space provided at the top of the page.

92. At specially designated stations the number of miles and the length of time from each wind direction will be compiled from the data entered on pages 6 and 7, Form 1001. The number of miles for each particular hour will be credited to the prevailing wind direction for that hour.

Example.

On the 1st: Prevailing wind direction for each hour to 12 noon, W.
Total wind movement to 12 noon, 196.
Prevailing wind direction for each hour, 12 noon to mid., NW.
Total wind movement, 12 noon to midnight, 248.
The record for the 1st: W., 196 miles in 12 hours.
NW., 248 miles in 12 hours.

The sum of the percentages of time from the eight directions should be 100. When this sum is more than 100, deduct 1 per cent from one, or more, of the percentages which was increased most in discarding the decimals, to reduce the sum to 100. Likewise, when the sum is less than 100, add 1 per cent to one, or more, of the percentages according to a similar rule. The same rules apply to the percentage of miles.

CLOUDS.

93. Entries of clouds will be printed thus: Ci., Ci.St., Ci.Cu., A.Cu., A.St., St.Cu.,Nb., Cu., Cu.Nb., St.

94. The amount of clouds will be recorded on a scale of zero (0) to ten (10). If no clouds are visible, record zero (0); less than one-tenth, record "Few"; less than two-tenths and not less than one-tenth, record 1, etc. Absence of movement will be indicated by the figure zero (0) in the space for direction; and when there is doubt as to kind and direction, a query mark (?) will be placed after the questionable record. The directions from which the clouds are moving will be recorded to eight points of the compass, as N., NE., E., etc.

95. Haze, smoke, and fog will be recorded in tenths, and must be designated as dense or light. These amounts will not be considered in footing up the columns.

96. When dense haze, dense smoke, or dense fog obscures eight-tenths or more of the sky, the state of the weather will be recorded as "Hazy," "Smoky," or "Foggy." Otherwise the state of the weather will be determined by the proportion of visible sky covered with clouds.

98. Haze will not be given a direction. Fog and smoke can have a direction; when no movement is perceptible, record zero (0) in space for direction. The most frequent kind and direction of clouds, page 9, Form 1001, will be determined by the entries on pages 2, 3, and 11. Haze, fog, and smoke will always be considered in determining the most frequent kind of clouds; and the direction of fog and smoke will be considered in determining the prevailing direction of clouds, but the amount of fog or smoke will not be considered in the sums and averages.

99. If there be two or more levels of clouds observed, invariably record the upper first and the lower immediately underneath in the space for clouds.

100. Clouds will be recorded according to their form without reference to the occurrence of precipitation. That is, if rain is falling from strato-cumulus clouds, record the clouds "St.Cu." and the state of weather "Light rain," etc. When precipitation is occurring with dense fog, record the clouds "10 Nb." and the direction the same as the wind. When precipitation is occurring in the distance, but not actually at the place of observation, an explanatory note will be entered and the state of the weather recorded in accordance with the conditions at the place of observation.

101. Observers should be careful not to record cumulus or strato-cumulus as cumulo-nimbus. It is seldom that more than a few tenths of cumulo-nimbus clouds are visible.

102. In the column "Average cloudiness," page 4, observers will record in whole numbers the average amount of clouds during the day (sunrise to sunset) on a scale of zero (0) to ten (10), as determined from frequent personal observations.

103. The "Character of day" will be determined from data in column headed "Average cloudiness"; zero to three, inclusive, record "Clear"; four to seven, "Partly cloudy"; eight to ten, "Cloudy."

PRECIPITATION.

104. The time of each beginning and ending of precipitation will be recorded; intervals of fifteen minutes or less between the time of ending and recommencement not being considered except near the time of an observation, when all beginnings and endings must be recorded.

105. When a thunderstorm occurs the international symbol for thunderstorm (⚡) will be entered on the right-hand margin of page 8 on each day, midnight to midnight, standard of time in local use, on which thunder was heard.

106. The amount of rainfall will be determined by measuring with the "Measuring stick" the amount in the receiver of the rain gage; record as the amount one-tenth of the actual depth measured. After the receiver has been emptied the water in the overflow, if any, will be poured into the receiver, measured, and added to that found in the receiver. Precipitation of less than 0.005 of an inch will be recorded "T." When the p. m. observation is not taken, the amount of precipitation for that observation will be measured the same as if both observations were taken.

107. When there is danger of evaporation, the rainfall will be measured as soon as the rain ceases, and the water, if drawn off, will be returned to the gage. If the measurement at the next regular observation exceeds this one, it will be substituted therefor.

108. All precipitation entirely or partially in the form of sleet, snow, or hail will be melted, poured into the rain gage receiver, measured, and recorded in the same manner as rainfall. The measurement of precipitation in the form of snow is attended with much uncertainty, due to the action of the wind in drifting the snow and preventing it from entering the gage or blowing out a portion of the snow that has entered. If the observer has reason to believe that the amount collected in the snow gage is not the total snowfall since last observation, three measurements of the depth of snow will be made at different places and the mean of these measurements recorded as the actual depth of the snow. If it is impracticable to melt or weigh the snow, or the amount collected in the snow gage is not considered correct, one-tenth of the amount of snow in the gage or from measurements elsewhere, as the case may be, will be recorded as the amount of precipitation for that observation, with an explanatory note.

109. The following suggestions are given for the guidance of observers in the measurement of snowfall:

While one-tenth the depth is arbitrarily adopted as the water equivalent of snow, yet this is only coarsely approximate, and observers should always endeavor to determine the actual equivalent by one of the following methods:

First method.—Select a place where the snowfall is as little disturbed as possible and cut out a section with the snow gage, or 8-inch overflow of the rain gage, by sinking the

gage inverted through the snow and covering the mouth with a sheet of tin or thin board. The 8-inch cylindrical section of snow thus secured is then most conveniently measured by weighing, either in the gage itself, the weight of which is afterwards deducted, or after first emptying the snow into some smaller or lighter vessel. If this weight can be ascertained with an accuracy of within one-fourth of an ounce, the water equivalent will be given to the nearest hundredth of an inch by use of Table II—Paragraph 77, Circular A, 1903.

Second method.—If the snow is melted and measured in the measuring tube of the rain gage, care must be taken that loss does not occur by evaporation. Rapid melting must be avoided. The best results are obtained, not by melting directly, but by mixing a measured quantity of warm water with the snow and then measuring the slushy mixture, just as if the snow were all melted, deducting, of course, the amount of warm water added. Ten, or even five inches of warm water in the measuring tube are sufficient for effecting the measurement of a very considerable snowfall. Care must be taken in changing the snow or water from one vessel to another that portions of the precipitation are not lost.

110. When precipitation is occurring at the time of observation, or occurs between the taking of the observation and 8 o'cock, 75th meridian time, a check mark will be made on Form No. 1017 or No. 1028 to show the exact time of observation. The record for that hour as entered on the face of the above forms will include the amount between the check and the end of the hour, but under head of precipitation at time of the a. m. and p. m. observations on the above forms, as also similar headings on Forms No. 1001, No. 1014, and No. 1083, the entries will show the amounts recorded at the time the measurements were made.

111. Precipitation from fog, dew, or frost will not be recorded in this form. Absence of precipitation will be indicated by the figure zero (0).

112. All beginnings and endings of precipitation will be entered in chronological order on the dates on which they occur, beginning at the left-hand column. Only one entry will be made in each column when there are not more than four showers. A. m. and p. m. will be entered as "a" and "p," respectively. When time of beginning and ending is unknown it will be recorded as D. N. a. or D. N. p. (during night).

113. The depth of snowfall (maximum depth, less amount, if any, on ground before the period) during the preceding twenty-four hours will be entered each day in the column headed "Unmelted ..... p. m. to ..... p. m.," on page 8. If there are several separate snowfalls within the 24-hour period, each one of which melts before the following one occurs, the total fall for the 24-hour period will be the sum of the maximum depths for each fall.

114. Less than 0.05 inch of unmelted snow, and all snow which melts as it falls, will be recorded as "T," and in the case of the latter a marginal note "Melted as it fell" will be entered.

115. The total depth of unmelted snow on the ground each day at 8 p. m., 75th meridian time, by actual measurement (the means of three measurements when the snow is drifted), will be entered in the column headed "On the ground at ..... p. m.," page 8.

116. All unmelted snowfall will be recorded to inches and tenths, except as indicated in paragraph 114.

117. Enter under "Amount of precipitation from melted snow (midnight to midnight)" on page 8 the amount of precipitation from melted snow (estimated if unknown). When it is estimated, a marginal note should be entered stating the fact.

118. Care should be taken in determining the character of precipitation when in the form of sleet or hail.

Hail and sleet will not be entered in the columns for unmelted snow.

WEATHER.

119. The state of the weather will be determined and recorded with reference to the degree of cloudiness, and whether or not precipitation is falling or likely to fall soon; thus when the sky is three-tenths or less covered with clouds, record "Clear"; four to seven tenths, inclusive, "Partly cloudy"; eight to ten tenths, "Cloudy"; and "Misting," "Sprinkling," "Light rain," "Heavy rain," "Light Snow," "Heavy snow," "Sleeting," "Hailing," "Threatening," and "Clearing" when these conditions exist (see paragraphs 96 and 104. When two or more kinds of precipitation are occurring at the time of observation all will be entered under the "State of weather." When light fog, light haze, or light smoke is observed with no clouds, the state of weather will be recorded as "Clear."

120. When a thunderstorm is prevailing at the moment of observation, or the rain is still falling, and thunder has been heard or lightning seen within the hour previous to the observation, the international symbol for thunderstorm will be entered after "State of weather."

FOOTINGS AND SUMMARY.

121. *a.* No data required.

b. Underscore in red ink maximum and minimum of the column.

c. Enter most frequent kind or direction, and when two or more directions or kinds are observed an equal number of times, all will be entered. Calm will not be considered in determining the most frequent direction.

f. On page 3, under "Fog," "Light," or "Dense," enter the time of beginning and ending on days when these conditions are observed at station, midnight to midnight, standard of time in local use. Enter on page 9 the dates of all days on which fog is observed. A dense fog is one that is dense enough to obscure objects at a distance of *one thousand feet.*

g. The monthly means of "Station pressure," "Reduced pressure," "Dew-point," "Humidity," "Vapor pressure," and "Temperature" (a. m. +p. m.÷2) will be obtained by adding the monthly means of the a. m. and p. m. observations and dividing the sums by 2. The "Monthly mean temperature" will be obtained by dividing the sum of the mean maximum and minimum temperatures by 2. The sea-level, 3,500-foot, and 10,000-foot temperatures will be obtained by applying the corrections in the table to the monthly temperature. The 3,500-foot and 10,000-foot pressures will be obtained by using the monthly temperature as the temperature argument and the corrected monthly station pressure as the pressure argument.

h. In determining the highest and lowest pressure for the month the barograph trace will be considered, and if any corrected barograph reading is lower or higher than the recorded station pressure for any regular or special observation, this reading will be entered under the heading "Station" on page 10, to three decimal places, the last decimal being zero. The corrected thermograph reading at the time of this barograph reading will be entered to whole numbers as the "Dry," and the reduced pressure determined according to the rule for special observations. The other entries should indicate the date and time of occurrence. The pressure values thus derived will be used in determining the highest and lowest for the month for entry on page 9. When the highest or lowest reduced pressure occurs on more than one date, carry the reduction to thousandths to determine the actual date.

i. The highest and lowest temperatures and the greatest and least daily ranges will be taken from page 8, but the dates on which they actually occurred (tenths considered) will be determined from pages 2 and 3. At stations supplied with thermographs, when the monthly maximum or minimum temperature is recorded the same on two or more dates on pages 2 and 3, the date of the highest or lowest temperature for the month will be determined by the thermograph trace, using the date on which the highest or lowest point is reached by the thermograph pen. When the greatest or least daily range of temperature occurs on two or more dates, as shown on pages 2 and 3, the date will be determined by referring to the thermograph trace.

j. The number of days with the maximum temperature 90° or above, 32° or below, and minimum temperature 32° or below, and zero or below, will be determined from the maximum and minimum thermometer readings as recorded to tenths. When the maximum or minimum temperature is taken from the thermograph it will be considered as whole degrees.

k. When on more than one date, both dates will be given.

l. (1) Precipitation will be considered excessive when it equals or exceeds 2.50 inches in twenty-four consecutive hours, or 1 inch in one hour. See also paragraph 200.

(2) In determining the duration of excessive precipitation of 2.50 inches in twenty-four hours at stations equipped with recording rain gages, the period of duration will begin with the first closing of the circuit and end with the last closing for each shower. All intervals between showers will be excluded. At stations not equipped with recording gages the period of duration will be the time precipitation actually occurred. The period may be extended beyond twenty-four hours as long as the rate of 2.50 inches in twenty-four hours continues.

(3) When the above data are compiled for publication the following footnote will be made: "The duration is the time precipitation was actually recorded."

(4) Excessive precipitation at the rate of 1 inch an hour will not be entered on Form No. 1001.—Met'l., unless 1 inch falls within one hour. If 1 inch is recorded in less than one hour that amount only will be taken, unless the rate of fall continues excessive (at the rate of 1 inch an hour or eight and one-third hundredths inch in five minutes), in which event the entire amount of precipitation at the excessive rate and the entire time at which the rate was excessive will be entered.

(5) After 1 inch has been recorded within one hour, if the rate ceases to be excessive for a short time and again becomes excessive, whether or not it extends beyond one hour, both amounts will be included, provided the amount for the last excessive period is sufficient to make it and the non-excessive interval, taken together, excessive.

(6) At the beginning or ending of excessive precipitation of 1 inch an hour no amount at less than that rate will be included unless required to make a total of 1 inch in an hour.

m. In computing the maximum precipitation in twenty-four hours and excessive precipitation data, the division of the months will be disregarded. The same data will not be included in the compilations for two months. When the record for the 1st of a month has been included in that for the preceding month, a note to that effect will be entered on page 9.

n. A day with hail is one on which a trace or more of hail fell.

o. To be taken from the sum of columns headed "Snowfall, unmelted, ... p. m. to ..... p. m.," page 8.

p. To be determined from page 6 or 13 at stations that prepare either or both pages and from the "Number of times observed from," as recorded in the summary, at stations that do not prepare pages 6 or 13. If two or more directions are recorded an equal number of times, consider the adjacent directions in determining the prevailing direction for the month. Only one direction will be entered. When calm exceeds the prevailing direction, it will be entered immediately above the latter.

r. Enter but one maximum wind velocity, direction, and date.

t. The "Monthly mean cloudiness" will be the mean of the column "Average daily cloudiness," on page 4.

u. To include only days on which 0.01 inch or more of rain, melted snow, sleet, or hail fell.

v. A day with thunderstorm is one on which thunder is distinctly heard at the station, whether or not lightning is seen or rain falls at the station. (See par. 105.)

w. Stations having a recording rain gage will enter the maximum fall in five and ten minutes, etc., for the month, together with the date of occurrence.

RULE FOR DISPOSING OF DECIMALS.

122. In dropping decimals, if the figure to be dropped is greater than 5 (or 5 with a remainder) the preceding figure will be increased by 1. If the decimal figure to be dropped is 5 exactly, the preceding figure when odd will be increased by 1, and when even it will remain unchanged. If the figure to be dropped is less than 5, retain the preceding figure unchanged.

123. In computing the monthly means of barometer and vapor pressure the division will be carried to four decimal places, and the fourth decimal dropped in accordance with the preceding rule. In computing all means (except for barometer and vapor pressure) carry the division to two decimal places only, and dispose of the last decimal figure according to the preceding rule.

FROSTS.

124. The date of occurrence of each frost will be recorded throughout the year in California and Florida and along the immediate coast of the Gulf of Mexico. In the spring all frosts will be recorded, beginning March 1, in the portions of Washington and Oregon west of the Cascade Mountains.

125. In the spring in all sections, except those mentioned in paragraph 124, the date of occurrence of each frost will be recorded on and after the date that the daily normal temperature, as shown in Bulletin R, is 43°.

126. All frosts occurring at any station between May 1 and August 31 will be recorded.

127. During the autumn and winter frosts will not be recorded subsequent to the date on which the first killing frost occurs, except as specified in paragraph 124.

128. Frosts will be designated as "light," "heavy," or "killing." The term "light" signifies no destructive effect except to tender plants and vines; "heavy," a copious deposit of frost, but which does not kill the staple products of the locality, and "killing," frost that is destructive to vegetation and staple products.

129. The character of frost, whether light, heavy, or killing, must sometimes be determined by the phenomenon itself, rather than by its effect on vegetation and the staple crops, since the latter may have passed the stage where injury was possible.

MONTHLY METEOROLOGICAL NOTES.

130. Page 12 will contain an account of important atmospheric phenomena, not easily susceptible of tabulation, occurring at or in the vicinity of the station. Events will be described after the manner of a narrative, covering the entire period of occurrence, whether consisting of a fraction of a day or of a number of days.

131. An annual index will be prepared on the printed form provided for that purpose and will be submitted with the December Form No. 1001. Subjects will be indexed by month and date.

132. The meteorological notes will be written with a typewriter and the writing should be single spaced. If necessary, an additional sheet will be inserted. A press copy will not be made.

133. In the reporting of meteorological phenomena too much care can not be exercised to make the account explicit and to state accurately the time of occurrence. Very often the omission of a single detail detracts materially from the value of the report.

134. In describing weather conditions and phenomena midnight will be understood to refer to the end of the day and will receive the date thereof. Twelve o'clock midnight and twelve o'clock noon will be written thus, respectively: 12 midnight; 12 noon. Night will be referred to thus: "Night of the 3d–4th," and will cover the time from dark to daylight.

135. At stations on the lakes and navigable rivers the opening and closing of navigation, together with the name of the first vessel to arrive and the last to depart, should be recorded.

136. Whenever a killing frost occurs the "Met'l Notes" will contain a statement of the kinds of vegetation killed, the degree of maturity at the time of the frost, the estimated percentage of loss, and any other facts that favored the formation of frost, or that tended to increase the injury.

137. Especial care should be taken to note the *dates* of the occurrence of the first and last frost of each character in *the annual index of the Monthly Meteorological Notes*. If the dates of the first and last killing frost can not be determined the first day with the minimum temperature of 32°, or lower, in the autumn, and the last day with 32°, or lower, in the spring, *when precipitation did not occur* while the temperature of 32°, or lower, obtained, will be recorded, with an explanatory note as to the probable cause of the absence of frost on those dates.

138. *a.* A tornado is a violent local storm, in connection with which is usually noted a well-defined, pendant, funnel-shaped cloud, with attendant rotary winds, often of sufficient violence to prostrate buildings and uproot trees and leaving unmistakable evidence of rotary winds.

b. Whenever a tornado occurs within a radius of 25 miles from the station the official in charge will make diligent effort to obtain an accurate description of all meteorological elements accompanying the tornado. In gathering and preparing the data relative to a tornado, information on the following points is desirable:

c. The path of the tornado, with the location of buildings destroyed and the distribution of the débris on either side of the storm track. This should be shown by a map.

d. The name of the place and the date and hour of occurrence. If the tornado passed near a town the distance, and direction from, should be noted.

e. The appearance of the cloud; glow and funnel-shape; the color of cloud; the meeting of clouds; lightning, and whether seen to issue from the funnel cloud.

f. Character and amount of precipitation, including hail; size of hail.

g. Nature of attendant noises.

h. Direction of motion of storm.

i. Presence of a whirl, either as seen in a cloud or as evidenced by the distribution of the débris.

j. General direction in which trees or débris lay in the center line of greatest destruction, and on either side of this line.

k. Length of path and width at point of greatest destruction.

l. Number and names of persons killed.

139. Whenever damaging hail falls at or within 25 miles of the station, a report will be made in the "Met'l Notes," stating the size of the stones and the nature of the damage.

140. Various optical phenomena are constantly occurring in the atmosphere, and while they have no very important bearing upon the weather it is desirable to note their occurrence. Among these phenomena may be mentioned auroras; halos, solar and lunar; rainbows; coronas; parhelia; paraselenæ and mirages.

141. Auroral displays should be described, giving in all cases where practicable the time of beginning and ending and the altitude and azimuth of each extremity and of the crown of any arch of light that may be formed. Azimuths should be recorded as in astronomy, from the south point to the westward, passing successively through west, north, and east points of the compass until the starting point is reached.

142. In counting the number of auroral displays, those occurring on parts of two successive days will be counted as single displays, but in counting the dates of auroras, when they extend past 12 midnight, both dates will be counted.

143. Whenever a meteor is seen the "illumination" left by it should be carefully noted, both as to its appearance and the direction in which it apparently floats.

FORM No. 1002.

144. This form will be made out in duplicate at the end of the year on the current edition.

145. If the elevation of the anemometer, thermometer, or rain gage has been changed, that on December 31 must be given. The dates of changes and old elevations must be carefully recorded on the margin.

146. The sum of corrections and all changes in the same must be carefully noted under "Sum of barometer corrections," page 1, and the date and observation upon which it was first used.

147. When one or more observations have been missed, connect all data for less than a full month with a footnote, stating the length of time of the record.

148. The monthly mean pressure, dew-point, relative humidity, absolute range of pressure, and all other data, except as hereinafter provided for, will be taken from the summary of Form No. 1001 or the Climatological Record. The decimal in the case of the dew-point and relative humidity will be disposed of according to rule.

149. In the space for date of highest and lowest pressure and temperature for the year enter the month and day thereof, as "July 6." The mean daily range and mean daily change of temperature will be taken from the columns similarly headed on page 8, Form No. 1001.

150. The data to be entered in the columns headed " Total " and " Possible " will be taken from the sum of the columns similarly headed on page 4, Form No. 1001. The " Percentage " will be taken from the monthly percentage of " Total." Stations not supplied with a sunshine recorder will leave these columns blank.

151. At stations preparing page 13, the prevailing direction for the year will be determined by the direction having the greatest number of hours; at all other stations it will be determined from the sums of " Number of times observed blowing from the N., NE.," etc.

152. The mean hourly temperature and wind velocity will be taken from the mean values at the foot of pages 5 and 7, respectively, and the data for entry in columns headed " For the month " from the average hourly temperature and wind velocity, respectively. Data for less than one-half of a month will not be recorded, and in case the data for one or more months are missing the sums and means for the year will be omitted. All means will be obtained by dividing the sums of the respective columns by 12, and each mean will be recorded to the same number of decimal places as the data from which it is obtained are recorded.

153. Page 7, " Wind—number of miles and length of time from each direction," will be prepared at stations that tabulate these data.

FORM No. 1003.

154. The data to be entered on Form No. 1003 will be an exact copy of those in columns similarly headed on Form No. 1002. One copy will be forwarded to the Central Office with Form No. 1002. A retained copy need not be kept.

FORM No. 1014—DAILY LOCAL RECORD.

155. Time.—All entries will be on the standard of time in local use; this will be local mean time at the few places where such is in current use.

156. Enter against the heading " Temperature at the end of hour " the corrected thermograph readings, except whenever eye readings of the dry thermometer at exact hours are available they will be entered. The maximum and the minimum thermometer readings and the mean daily and normal temperatures will be entered on the right-hand side of the sheet, and these entries will correspond to those entered on page 8, Form No. 1001.

157. Under " State of weather " enter the nature of the precipitation, whether rain, hail, sleet, or snow, with the time of beginnings and endings. The character of precipitation may be indicated by a single letter; thus, for rain beginning at 9.15 a. m. the entry would be " R. B. 9.15 " in the column headed 9–10. The ending should be indicated in a similar manner in the proper hour column.

158. On the right-hand margin of the form, opposite the heading " Total depth of snow," etc., the total depth of snowfall for the twenty-four hours ending at the local standard time corresponding to 8 p. m., 75th meridian time, will be entered.

159. When necessary, additional data in regard to hail fall and sleet fall; and ground covering of hail, sleet, and ice will be entered.

160. The blank space on the form for the time will be filled up by entering the standard time in local use corresponding to 8 p. m., 75th meridian time. In the same manner the amount of snow on the ground at 8 p. m., 75th meridian time, will be entered.

161. In the spaces against the heading "Amount of precipitation " will be given the hourly amounts, when obtainable by self-register. Stations not supplied with self-registers will leave the spaces blank. On the right-hand margin space is provided for the entry of the total precipitation as measured at the 8 a. m. and 8 p. m. observations, 75th meridian time, except that the time will be given in the local standard in use at the station instead of 75th meridian.

162. The total precipitation, midnight to midnight, will also be entered in the space provided for it. At stations not provided with self-registers the amount will be estimated, and a note to that effect will be made.

163. In the spaces headed " Cloudiness and other conditions " the state of the weather will be indicated by the words " Clear," " Partly cloudy," " Cloudy," " Fog," etc., and the time that these conditions prevailed will be indicated by means of arrows and lines drawn through the hour spaces on both sides of the word and ending at the time when the conditions began and terminated. Moonlight should be observed and a symbol entered to indicate the phase of the moon on the date for the maximum of each phase. If the moon is obscured at intervals, either totally or partially, these facts should be noted. The " Character of the day " will be entered in the space provided for it.

164. The space headed " Sunshine " is intended to replace the entries which were formerly made on Form No. 1070, and the instructions which apply to page 4, Form No. 1001, will be followed in entering the data on this form.

165. In like manner the spaces for " Wind direction " and " Wind movement " will be prepared precisely as the similar columns on pages 6 and 7, Form No. 1001. The third space under wind, " Maximum velocities exceeding ..... miles," will contain a statement of the maximum hourly velocity and direction, together with the time the maximum occurred, as taken from Form No. 1017, or No. 1015, whenever the wind exceeds a certain limit. This limit will be fixed by officials in charge of stations. In general, maximum velocities below 25 miles will not be entered unless there is a demand for them at the station. Officials in charge will aim to enter only those maximum velocities which may be of importance to the public interests at the station.

166. Space has been provided for use in entering excessive precipitation data. Against the right-hand margin of this space relative humidity, reduced barometer, and river readings should be entered.

167. Copies of the barograph and thermograph traces, including the red-ink corrections entered on the original trace, will be made on the diagrams at the foot of the page.

168. The space provided for notes will be used whenever the instrumental readings do not clearly express the weather conditions of the day. Under this head a description should be given of all severe storms, cold waves, frosts, or any abnormal condition that may prevail, together with the time of receipt and the time of hoisting and lowering of warnings of all kinds. The Daily Local Record should contain a complete history of the weather of the day and be carefully verified. It will be retained at the station, and a copy will not be furnished to the Central Office. It should be made in record ink.

169. All special features will be indexed.

FORMS No. 1015, No. 1017, AND No. 1028.

170. Enter in the lower right-hand corner of each sheet the meridian of time on which the record is made, as 75th meridian time, 90th meridian time.

171. Incomplete Records.—Observers will examine the registers each morning immediately upon arriving at the office to see whether or not they are working properly. If the anemometer is out of order a dial reading will be made at once and entered on the sheet, together with the time at which it was made.

172. Dial readings will also be made at each regular observation and at each noon during the incomplete record and when the record is started and entered on Form No. 1015 or No. 1017. The data will be interpolated when the loss of record is less than twenty-four hours. Short breaks in the record when the self-register fails to work may be estimated when the observer believes he can approximate what the record would have been. In all such cases an explanatory note will be entered on all forms where the data are used.

173. In case of loss of record for a period of twenty-four hours or more, blank sheets for the period containing the name of the station, dates, and such data as can be obtained will be prepared and forwarded with the regular monthly package.

174. Whenever the instrument has not been running on correct time a note should be made to indicate the true time of the record.

175. The total movement of the wind for each six hours and for the day will be entered on the left-hand margin in the proper spaces.

176. Current Velocity, How Obtained from Register.—To obtain the current velocity from the anemometer record, take the number of spaces and parts of spaces between the mile marks recorded in the five minutes preceding the moment considered and multiply the result by 12, except when the wind has blown at the rate of less than 12 miles an hour, when the velocity will be determined as shown by the second example below.

First example: Suppose the number of spaces indicating mile marks between 7.40 p. m. and 7.45 p. m., 75th meridian time, was $1\frac{1}{4}$, then the velocity of the wind to be recorded at the p. m. observation is $1\frac{1}{4}\times12=15$ miles per hour.

Second example: If the interval between the last two mile marks is seven minutes, then the current hourly velocity will be obtained by dividing 60 by $7=8\frac{4}{7}$ miles, recorded as 9 miles.

177. Maximum Velocity, How Obtained from Register.—The maximum velocity of wind will be obtained by considering the number of spaces and fractions thereof between the mile marks in the five minutes where the velocity is the greatest and multiplying the result by 12; the product will be the maximum velocity.

If the shortest space between two mile marks in the period covers more than five minutes of time, then the elapsed time for said space will be the basis of the calculation. Example: If the shortest space between two mile marks is thirteen minutes, then the maximum velocity is $60\div13=4.6$ miles per hour, which will be recorded on Form No. 1001 as 5 miles.

178. The extreme velocity each day (from midnight to midnight) will be ascertained with reference to the mile of wind recorded in the shortest time, thus: Find the two marks nearest each other on the anemometer sheet, calculate accurately the amount of time between these two marks (from beginning to beginning or from ending to ending), divide 60 by this amount, and the quotient will be the extreme velocity. Example: The space of time between two marks nearest each other is two minutes; $60\div2=30$, therefore 30 miles is the extreme velocity for the day.

When the maximum velocity is 12 miles per hour, or less, the extreme daily velocity for the same period of time should be the same; if more than 12 miles, the extreme velocity can be greater.

179. For convenience and accuracy in determining the velocity of the wind a scale has been prepared and furnished to each station with which the velocities may be read direct from Form No. 1017—Met'l without computation. This scale consists of a series of subdivisions equal in length to the intervals between the mile marks on the record sheet for all velocities from 5 to 39, and for every even mile from 40 to 78 miles per hour. To determine the velocity find the portion of the scale where the subdivisions correspond to the mile marks on the sheet. If the mile marks correspond with the smallest subdivisions, the velocity is shown by the first row of figures on the scale. If the mile marks correspond to 2, 4, or 8 of the subdivisions, the velocity is shown by the second, third, or fourth row of figures. When measuring maximum or current velocities for which a whole number of miles is not recorded in five minutes, it will be necessary to estimate the proportional part of a mile required to complete the five-minute period.

180. Maximum Velocities Entered on Wind Sheets.—The maximum wind velocity (for any five minutes) for the day, midnight to midnight, standard of time in local use, and the maximum velocity, when entered on pages 2 and 3, Form No. 1001—Met'l, will be entered in ink on Forms No. 1015 and No. 1017—Met'l immediately above the record as shown by the self-register. Care will be taken not to obliterate any record, and the word maximum will be abbreviated, thus: Max. 25.

181. Current Wind Velocity, How Obtained from Dial.—Make two readings of the outer dial with an interval of five minutes between them. The difference between these readings will be the distance, in miles and tenths, traveled by the wind in that interval. This, multiplied by 12, will give the indicated velocity in miles per hour. Example: Suppose the index of the anemometer to be at 3.4 on the outer dial when the first reading is taken and at 4.1 five minutes after, the difference, 0.7 mile, is the distance traveled in that time; and this, multiplied by 12, gives a velocity of 8.4 miles per hour.

182. The total movement by register for any period will be obtained by counting the number of marks in the period.

183. Wind Movement from 12 Noon to 12 Noon by Dial, How to Obtain.—Subtract the reading of the anemometer dial at 12 noon of the preceding day from the reading taken at 12 noon of the current day; the difference will be the total movement. When the reading of the anemometer is less than the reading of the preceding day, 990 miles will be added to it, and the remainder, after subtracting the reading of the preceding day, will be the total movement. Example: The dial reading of to-day is 91, and that of yesterday was 950, hence we have $91+990=1{,}081$; $1{,}081-950=131$, the total movement of the wind in miles from noon to noon.

184. Velocity of Wind, Estimated.—Whenever instruments are not available for directly measuring the wind velocity it will be estimated by reference to the following scale:

Name.	Miles per hour.
Calm	0 to 5.
Light	6 to 15.
Moderate	16 to 25.
Brisk	26 to 35.
High	36 to 50.
Gale	51 to 65.
Hurricane	66 or more.

185. Dial Readings.—The reading of the anemometer dial made at 12 noon on the first day of each month and at 12 noon each Monday during the month will be recorded on the sheet just taken from the register. Only actual dial readings will be recorded.

186. The accuracy of the anemometer record for each month may be verified at the end of the month as follows: Ascertain the total wind movement by register from 12 noon of the first day of the month in question to 12 noon of the first day of the succeeding month; add to this the dial reading of the first day of the month being verified and divide the sum by 990; the remainder should equal the dial reading on the first day of the succeeding month.

Example.

Total movement, 12 midnight to 12 midnight	3,283
Less twelve hours preceding 12 noon of the first day of month	70
	3,213
12 midnight to 12 noon of first of succeeding month	22
Dial reading on first day of month	303
	990)3,538(3
	2,970
Dial reading on first day of succeeding month	568

187. Anemometers Changed.—When the anemometer is changed a note will be made on the lower margin of the anemometer record sheet, giving the date and the hour of the change and the dial reading of both old and new instruments. If changed at 12 noon both readings will be recorded on the sheet just taken from the register.

188. When an electric sunshine record is made the character of sunrise and sunset will be written, at the proper hours, on Form No. 1017.

189. When both sunshine and rain are recorded on the same sheet the portion representing rain will be clearly marked by brackets and such footnotes added as may be necessary to completely identify the records in case there is likely to be uncertainty.

190. Precipitation.—Whenever a station is equipped with a recording rain gage, that gage will be regarded as the station gage, and the measurements of the amounts of precipitation it collects will be the official measurements of the precipitation at the station.

191. Beginning and Ending of Precipitation.—The time of beginning and ending of precipitation will be recorded on the automatic record sheets (Forms No. 1017 and No. 1028) by direct and reverse check marks, thus (√) (\), accompanied by the letters B and E, respectively, said check marks being placed at the points corresponding in time on the sheet to the observed time of beginning or ending of precipitation, standard of time in local use. Whenever the time of beginning or ending is doubtful the entry will be accompanied by a query mark (?). When the recording gage is not in use in the winter the check marks indicating beginnings and endings should be omitted. Any information that will aid in determining the hourly amounts and rates of rainfall, when imperfectly recorded, should be given.

192. The characters B. D. N. or E. D. N. will be used to denote the beginning and ending of precipitation during the night, when the time is not known.

193. Whenever it becomes necessary to remove the recording gage to prevent injury from freezing (see paragraph 29, Circular E, Instrument Division), a note will be entered on page 9, Form No. 1001, giving the dates it was removed and again exposed. Stick measurements of the amount of precipitation collected in the snow gage will be made as instructed in paragraphs 108 and 109.

194. The precipitation collected in the tipping-bucket gage will be drawn off at each regular observation, the contents measured by stick in the measuring tube, and the amount recorded on Forms No. 1001 and No. 1017.

195. When the amounts by register and stick measurements at an observation differ by 10 per cent or more, a brief explanation of the probable cause of the discrepancy should be noted on the form upon which the disagreement appears.

196. At stations using the weighing gage the amount of precipitation at the regular a. m. and p. m. observations will, in general, be determined from the record sheet; but, in case of failure of the instrument to properly record, the amount of precipitation will be found by adjusting the sliding weight on the gage until equilibrium is established. The amount of precipitation is then shown by the scale reading, which will be taken to the nearest hundredth only. If a satisfactory scale reading can not be made for any reason the contents of the gage will be emptied into and measured in the tube of the standard 8-inch gage. The recording gage should then be set in operation as soon as practicable.

197. Whenever the weighing gage is emptied at any hour other than noon, the time of precipitation and the amount measured will be entered at the foot of the form. When the sheet is removed the actual amount of precipitation will be entered in the space at the foot of the form, and the trace lines for each twelve hours will be dated at the beginning and ending of the line.

198. The hourly amounts of precipitation will be entered in red ink, near the middle of the hour period, on Form No. 1017 or No. 1028, whichever is used for obtaining the instrumental record; for example, the amount during the hour from 1 to 2 p. m. will be entered near the 1.30 p. m. line on the sheet. In case of precipitation only partly recorded the hourly amounts for the period during which the record was defective will be estimated, if sufficient data are available, otherwise they will be omitted.

199. The totals of the hourly precipitation must in every case equal the total precipitation by stick measurement.

200. In tabulating excessive precipitation data from Forms No. 1017 and No. 1028 for storms in which the rate of fall equals or exceeds the limits shown in the following table, the accumulated amounts for each successive interval of five, ten, fifteen minutes, etc., during which the precipitation continues at an excessive rate will be entered in the table provided for that purpose in the summary, Form No. 1001. Under head "Total duration" will be entered the beginning and ending of precipitation; under "Excessive rate" will be entered the time precipitation began to fall at an excessive rate and the time the precipitation fell below that rate. This, however, must

not be construed to mean that short periods during the progress of a storm where the rate falls temporarily below the excessive rate shall be excluded. When the rate falls below the lowest limit, 0.05 inch in five minutes, for a period of thirty minutes or more, the succeeding excessive precipitation will be tabulated separately. Under the heading "Accumulated depths of precipitation," etc., will be entered the accumulated amounts for the respective periods, all periods beginning at the same point of time, which should be identical with that given under "Excessive rate, began—." The tabulation will be continued so long as the excessive rate, as indicated above, continues. When the excessive rate extends beyond one hundred and twenty minutes the tabulation will be made for each fifty minutes separately so long as the excessive rate continues.

Example.

Excessive rate.		Amount before excessive began.	Accumulated depths during excessive rate for consecutive periods of time indicated below.									
Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.
7.01 a. m.	7.51 a. m.	2.66	0.08	0.25	0.38	0.52	0.77	0.88	0.92	1.28	1.42	1.80
7.51 a. m.	8.41 a. m.	.....	*2.05	2.24	2.42	2.61	2.82	2.86	2.91	2.94	3.10	3.30
8.41 a. m.	9.31 a. m.	.....	*3.53	3.61	3.78	3.92	4.19	4.29	4.35	4.45	4.64	4.70

* Continued from line above.

Table showing limits at which precipitation may be considered as excessive.

Duration in minutes.	Depth of precipitation in inches.	Duration in minutes.	Depth of precipitation in inches.
5	0.25	35	0.55
10	0.30	40	0.60
15	0.35	45	0.65
20	0.40	50	0.70
25	0.45	60	0.80
30	0.50		

201. Storms in which the amount of fall does not equal that given above for any of the periods of time will not be tabulated.

202. In the case of the records from the tipping-bucket gage it must be remembered that in addition to accidental errors due to defective action of the recording mechanisms, there will also frequently be found a discrepancy between the recorded and measured amounts which is apt to increase with the rate of rainfall and varies slightly with different gages, and even with the same gage under different circumstances, as regards cleanliness, moisture, etc. The observer must, therefore, apportion the corrections with reference to different rates of rainfall, remembering that hours of heavy rainfall should receive greater corrections than hours in which the rainfall is at a slower rate.

203. In general, the method of apportionment illustrated in the following examples will be employed in correcting the automatic records for discrepancies referred to above.

204. Example 1.—The recorded amount of precipitation is 1.14 and the amount of stick measurement 1.23, showing a deficiency in the recorded amount of 0.09. This amount must be added to the record; that is, at the rate of 1 tip for each 12 tips recorded ($1.14 \div 0.09 = 12$; dropping all fractions).

205. Example 2.—The recorded amount is 0.86 and the measured amount 0.80, showing an excess in the recorded amount of 0.06. One tip must, therefore, be stricken out in each group of 14 recorded tips ($0.86 \div 0.06 = 14$).

206. In performing the divisions indicated in these examples the observer will always drop all fractions.

207. In many cases the exact point at which a tip is added or stricken out is not of great importance, but, in general, these corrections should be made at those portions of the record showing a noticeably rapid rate.

208. The points at which tips are stricken out in accordance with the foregoing instructions will be indicated on the record sheet by a small cross mark (×) in red ink, and the points where tips are added by a caret (∧) immediately underneath the point; such marks will not be used for any other purpose on the rain-gage record sheets.

209. Stick Measurements.—At noon after each precipitation the water in the weighing gage will be carefully poured into and measured in the measuring tube of the extra gage. If the gage is recording properly, and upon inspection or test is found to be properly balanced, no stick measurements will be made at the time of taking the observation, but the amount of precipitation will be read off from the scale on the gage and recorded on Form No. 1001. If the gage is not recording properly the amount at each observation will be ascertained by stick measurement, and these values entered on Forms No. 1028 and No. 1001 at each regular observation. Since this gage is generally not emptied at the time of taking an observation, it will rarely occur that the scale reading of the gage will directly give the twelve-hour rainfall called for on Form No. 1001. At the a. m. observation it will be necessary to deduct the scale reading at the last p. m. observation, and at the p. m. observation it will frequently be necessary to add to the scale reading a quantity representing the amount of precipitation that fell between the a. m. observation and the time the gage was emptied at midday. Observers are cautionel against errors in making these entries on Form No. 1001.

RECORDS FROM BAROGRAPHS AND THERMOGRAPHS.

210. Sheets.—Barograph and thermograph sheets will each be clearly marked on the face of the sheet with the name of the station, time on which the records are made (as 75th meridian, 90th meridian, local time, etc.), and date, each day's record being dated as near the noon line for that day as practicable.

211. Clocks.—Every effort should be made to properly regulate the clocks to correctly keep time, winding them once a week, or oftener if necessary. The instruments should be inspected each day by the observer and properly adjusted by him when necessary. Whenever they are adjusted a marginal note, stating the fact, will be connected with the proper hour.

212. At the time of adjusting the barograph or thermograph pen, and when changing the record sheet, which will be at the exact hour, standard of time in local use, a reading of the station barometer (or dry thermometer) will be made and entered on the trace sheet. The corrections necessary to reduce the register to the standard at the time of changing the sheet and adjusting the pen, and for all regular and special observations, will be entered on the trace sheets in red ink. The barograph trace should be corrected to agree with the station pressure. When the pen is set higher or

lower there will be two corrections, one to apply to the preceding record and one to the following record. The correction to be used for other hours will be determined from the correction card by use of a pin or pins, as explained in paragraphs 216 to 219.

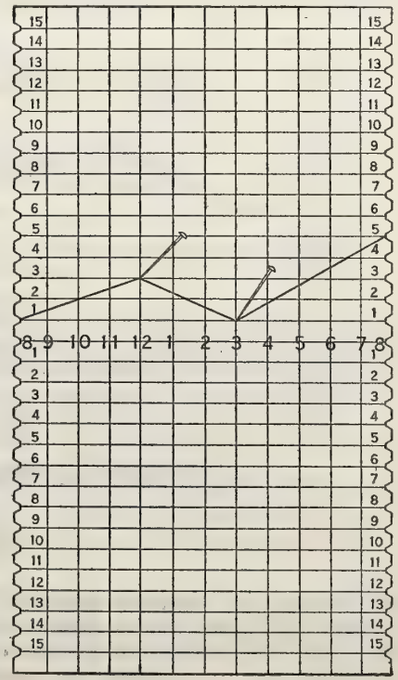
When the pressure or temperature at any particular station is such that the record might pass off the edge of the sheet or not be at all included in the rulings, observers will change the numbering of the lines by some convenient whole number and adjust the pen of the instrument accordingly.

213. Thermograph Time Error.—At the time of taking the a. m. observation the observer will carefully touch with a lead pencil the lever projecting from the thermograph bulb, so as to cause the pen to make a short vertical mark on the sheet. A note will be made on the first sheet for each month stating the time at which the pen is regularly touched. If it is touched more than five minutes from the regular time a note will be entered stating the exact time the mark was made.

214. Barograph Time Error.—The barograph pen should be touched at 12 noon, local standard time; if not touched within five minutes of that time a note will be entered giving the exact time the mark was made.

215. When the instrument is not running on correct time, this will be considered in taking off the data, so that it will be in true standard of time in local use.

216. Correction Card, How Used. — Ascertain the difference between the thermograph reading and the dry bulb thermometer reading at any regular observation under consideration; then set the rubber band on the card in a notch at the left-hand edge corresponding to this difference. If this difference, or correction, must be added to the thermograph reading to make it agree with the dry bulb reading, then the band must be set above the middle line, or, if the difference must be subtracted, set the band below. In a similar manner set the band in a notch at the right-hand edge of the card corresponding to the difference between the thermograph reading and the dry bulb thermometer reading at the next regular observation. The hours on the correction card should be renumbered to agree with the meridian of time in use.



Thermograph correction card.

217. The thermograph correction at any hour between the regular observations is the distance above or below the middle line of the point at which the band crosses that particular hour line.

Example.

Difference at first 8 o'clock observation: +2 (band above middle line).
Difference at next 8 o'clock observation: —3 (band below middle line).

Hourly correction taken to the nearest unit.

9	10	11	12	1	2	3	4	5	6	7
+2	+1	+1	0	0	0	−1	−1	−2	−2	−3

This card also will be used in a similar manner for correcting barograph readings.

218. Eye readings of the thermometer and barometer at exact hours, as provided for in paragraph 212, should be used to check and correct the corresponding recording instruments. If the correction at 12 o'clock, for example, was +3, and at 3 o'clock +1, then if pins be stuck in the card at these points the rubber band may be deflected in the manner shown in the figure, and a complete series of corrections for the twelve-hour period from 8 a. m. to 8 p. m., 75th meridian time, determined.

219. The readings of the maximum and minimum thermometers at 8 a. m. and at 8 p. m., 75th meridian time, should also be used in connection with the 8 a. m. and 8 p. m., 75th meridian time, and all other readings of the dry thermometer, in order to determine the corrections to be applied to the thermograph trace throughout the 24 hours.

220. These corrections will also be entered on the trace sheets and on the copy of the trace on Form 1014, and will not be accompanied by explanatory phrases such as "correction at time of max.," "correction at time of min.," "correction at 8 a. m.," etc., as these unnecessary entries confuse the records.

221. The corrections thus determined should also be entered in red ink on page 5, Form No. 1001, at the time the dry thermometer was read, or at the hour nearest the time of occurrence of the extremes, as shown by the trace sheet, giving the preference to the previous hour whenever there is uncertainty as to which hour is nearest the time of maximum or minimum, as the case may be.

222. When the maximum or minimum temperature occurs exactly at 8 a. m. or 8 p. m., 75th meridian time, the thermograph correction for that hour will be determined from the reading of the dry thermometer only.

FORM No. 1030.

223. The mean temperature for the month will be obtained by dividing the sum of the mean maximum and mean minimum by 2 and will be entered at the foot of the column headed "Mean."

224. The pressure and precipitation will be recorded to hundredths; temperature to nearest whole degree, except in case of the monthly means at the foot of the first three columns, normal for this month, and the average daily excess or deficiency, which will be carried to tenths. The accumulated excess or deficiency since January 1 will be the same as that recorded on page 8, Form No. 1001.

225. The average daily excess or deficiency since January 1 will be obtained by dividing the accumulated amount on the date desired by the number of days since January 1, viz, if the accumulated excess on February 28 is 51, divide it by 59, the number of days since January 1, which gives +0.9 for the average daily excess.

226. When four copies or less are issued the form may be prepared by using carbon paper and a hard lead pencil. At stations possessing the necessary printing facilities the information may be published on blank sheets not larger than the standard form, or on cards not larger than one fold (one-fourth part) of the form; but no data called for by the standard form should

be omitted, and the designation " Form No. 1030—Met'l " should appear at the top of the sheet or card and on the briefing fold of the sheet. A copy will be furnished each of the local papers and to such persons as are authorized; one copy will be forwarded to the Central Office also on the first day of the succeeding month.

227. When used for the Pacific Coast the average and excess or deficiency of precipitation will be computed from September 1.

228. A blank column has been provided for sunshine, snowfall, or such other data as may be desired.

229. The regular data called for on Form 1030—Met'l, will be prepared as formerly, but where special tables or other data involving time, as hourly values of temperature, precipitation, and the beginnings and endings of precipitation, etc., are published, they should appear in " local standard time " throughout the year.

FORM No. 1083.

230. Form No. 1083 will be carried when taking an observation and the data entered immediately thereon.

Form No. 1001—Met'l.

U. S. DEPARTMENT OF AGRICULTURE,

WEATHER BUREAU.

ORIGINAL MONTHLY RECORD

OF

OBSERVATIONS

AT

Fort Wayne, Ind.

For the Month of January, *192* 1.

*Station is supplied with a barograph, thermograph, sunshine recorder, and self-recording rain gage.

†No. of dry thermometer in use, ----------; No. of wet thermometer in use, ----------; No. of maximum thermometer in use, ----------; No. of minimum thermometer in use, ----------

†Elevation above ground of the dry thermometer, ---------- feet; rain gage, ---------- feet; anemometer, ---------- feet.

If the office has been moved during the month, give date ----------; amount of change in height of barometer, ---------- feet (higher or lower).

No. of extra barometer, 675; sum of corrections, -.017; date and observation upon which use of station barometer commenced, May 20, 1911 7 a. m., station elevation, 856 feet; actual elevation, 856 feet.

Location of office: Number Corner of Berry and Calhoun street, room 911-912, Swan Bldg; first observation taken in present office, 7 a. m. May 20, 1911

*Cancel words that are not appropriate. †To be entered only in December unless changes are made during the year. Changes made during the year will be noted in the appropriate months. 8—154

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at _____, for the Month of _____. 192 /

Number of Station barometer, 656; sum of corrections, −.009 inch.

OBSERVATIONS AT 8 A. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 A. M. 90th MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:12 A. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Self-reg. ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 a. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.		Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.							
1	70.5	28.925	.119	28.806	29.73	47.3	46.0	45	91	.298	47.3	40.4	P	11			T	10	St	P	Cloudy		C.M.S.	1
2	65.0	28.964	.104	28.860	29.81	33.3	31.2	28	80	.150	40.5	33.3	SW	22	32	SW	0	10	Stcu	SW	Cloudy		P.M.S.	2
3	62.5	29.056	.098	28.958	29.91	35.3	31.9	27	69	.143	36.0	32.6	SW	12			0	0	0	0	Clear		P.M.S.D.	3
4	67.0	29.006	.110	28.896	29.84	40.4	37.0	33	73	.187	42.8	38.0	SW	8			0	8 1	ASt St	NW SW	Cloudy		P.M.S.D.	4
5	69.0	29.126	.116	29.010	29.95	35.3	33.8	31	86	.172	44.8	35.3	NW	18			0	10	St	NW	Cloudy		P.M.S.D.	5
6	71.0	29.482	.122	29.360	30.32	30.0	27.8	24	76	.124	31.0	28.4	SW	4			0	4 4	ASt StCu	W SW	Cloudy		P.M.S.D.	6
7	70.0	29.008	.118	28.890	29.83	45.2	40.2	34	65	.195	45.2	39.5	SW	12			0	8 2	AST St	NW SW	Cloudy		P.M.S.D.	7
8	73.5	29.254	.128	29.126	30.08	31.6	29.0	25	73	.130	39.6	31.6	NW	6			.01	1	St	NW	Clear		P.M.S.D.	8
9	69.0	29.440	.117	29.323	30.28	23.0	21.0	16	73	.085	35.1	23.0	NE	4			0	1	St	NE	Clear		P.M.S.D.	9
10	68.0	29.424	.114	29.310	30.27	24.6	22.0	16	67	.085	32.5	24.2	SW	9			0	0	0	0	Clear		P.M.S.D.	10
11	71.5	29.424	.123	29.301	30.25	36.0	32.7	28	71	.150	37.0	34.0	SW	9			0	10	St	SW	Cloudy		P.M.S.D.	11
12	69.5	29.522	.118	29.404	30.37	18.6	17.2	14	78	.077	32.2	18.6	NW	15			0	1	StCu	NW	Clear		P.M.S.D.	12
13	68.0	29.603	.114	29.489	30.47	16.2	14.8	10	76	.063	18.4	13.7	E	5			0	10	ASt	NW	Cloudy		P.M.S.D.	13
14	66.5	28.854	.108	28.746	29.70	26.8	25.7	24	87	.124	32.6	22.0	SW	8			.04	10	StCu	SW	Cloudy		P.M.S.D.	14
15	68.0	28.968	.112	28.856	29.81	18.0	17.2	15	87	.081	25.0	18.0	SW	18			.04	10	Nb	SW	Lt. Snow		P.M.S.D.	15
16	67.0	28.863	.109	28.754	29.70	27.0	25.0	21	76	.108	27.0	19.0	S	16			0	10	St	S	Cloudy		P.M.S.D.	16
17	59.0	29.744	.091	29.653	30.63	14.1	12.9	9	78	.060	23.4	13.2	W	10	32	W	T	8	StCu	W	Cloudy		P.M.S.D.	17
18	65.5	30.025	.109	29.916	30.92	12.2	11.2	8	80	.057	20.3	11.4	E	7			0	3	ASt	W	Clear		P.M.S.D.	18
19	67.0	29.776	.112	29.664	30.64	21.4	19.9	16	78	.085	21.4	16.3	SE	7			0	10	St	SE	Cloudy		P.M.S.D.	19
20	68.5	29.513	.115	29.398	30.35	43.0	39.8	36	76	.21[illegible]	43.0	34.8	SW	[illegible]			T	10	St	SW	Cloudy		P.M.S.D.	20
21	68.0	29.404	.114	29.290	30.23	46.2	45.0	44	91	.287	46.2	42.6	SW	[illegible]			0	10	St	SW	Cloudy		P.M.S.D.	21
22	74.0	29.306	.129	29.177	30.11	48.3	47.8	47	96	.322	49.0	46.2	SW	7			.76	10	Dense Fog	SW	Foggy		P.M.S.D.	22
23	70.0	29.420	.119	29.301	30.25	31.0	29.0	26	79	.136	49.6	30.8	SW	8			0	0	0	0	Clear		P.M.S.D.	23
24	66.5	29.426	.110	29.316	30.28	28.3	26.6	24	80	.124	36.2	27.7	N	5			0	0	0	0	Clear		P.M.S.D.	24
25	68.0	29.662	.115	29.547	30.52	18.0	16.9	14	82	.077	29.0	16.6	E	16			T	10	StCu	E	Lt. Snow		P.M.S.D.	25
26	68.5	29.640	.116	29.524	30.50	15.3	14.1	10	79	.063	18.2	14.4	NE	12	26	NE	0	9	StCu	NE	Cloudy		P.M.S.D.	26
27	71.0	29.578	.122	29.456	30.43	17.2	15.8	12	77	.070	23.9	15.6	N	3			0	4	ASt	W	Pt Cloudy		P.M.S.D.	27
28	70.5	29.392	.121	29.271	30.23	28.1	25.1	19	66	.098	35.2	23.4	S	7			0	6 3	ACu St	NW S	Cloudy		P.M.S.D.	28
29	72.0	29.152	.124	29.028	29.98	34.0	32.0	29	81	.157	38.7	31.8	S	5			0	10	St	S	Cloudy		P.M.S.D.	29
30	70.5	29.000	.119	28.881	29.83	34.2	32.2	29	81	.157	38.0	34.2	NE	16			.14	10	Nb	NE	Lt. rain		P.M.S.D.	30
31	67.0	29.382	.111	29.271	30.23	25.0	24.0	22	87	.113	30.0	25.0	N	6			.16	10	Nb	N	Lt. Snow		P.M.S.D.	31
Sums		(a)	(a)	905.782	936.45	904.9	844.8	736	2439	4.189	(a)	(a)	(a)	314	(a)	(a)	1.15	213	(a)	(a)	(a)		(a)	(a)
Means		(a)	(a)	29.219	30.176	29.2	27.3	23.7	78.7	.135	(a)	(a)	(c) SW	10.1	(a)	(a)	(a)	6.9	U Ac, St. L St.	U NW L SW	(a)		(a)	(a)

Reference letters in this form refer to paragraph 121, "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order. †† T indicates trace of precipitation. U, upper clouds. L, lower clouds.

8—154

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at [illegible], for the Month of [illegible], 1921,

Number of Station barometer, 656; sum of corrections, −.009 inch.

OBSERVATIONS AT 8 P. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 P. M. 90° MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:19 P. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Self-reg. ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 p. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Fog, Mid. to Mid. (local standard time). Light. (f)	Fog, Mid. to Mid. (local standard time). Dense. (f)	Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.								
1	71.0	28.824	.119	28.705	29.62	40.5	39.5	38	92	.228	54.0	40.5	W	13	27	S	.10	2	St.Cu.	W	Clear			[illegible]	1
2	62.0	29.070	.097	28.973	29.92	35.0	32.0	28	73	.150	38.4	23.3	SW	8	30	SW	0	0	0	0	Clear			[illegible]	2
3	71.5	29.036	.121	28.915	29.86	42.8	37.0	29	57	.157	49.9	35.1	S	12			0	2	ASt	N	Clear			[illegible]	3
4	72.5	29.018	.124	28.894	29.82	44.8	40.4	35	69	.203	52.1	40.4	SW	12			0	5	ASt	NW	Pt. Cloudy			[illegible]	4
5	75.0	29.416	.133	29.283	30.23	31.0	28.0	23	69	.118	35.3	31.0	NW	11	26	NW	T	1	StCu	NW	Clear			[illegible]	5
6	76.0	29.279	.134	29.145	30.09	39.8	34.8	28	61	.150	44.5	28.7	SE	8			0	8	ASt	NW	Cloudy			[illegible]	6
7	76.0	29.040	.133	28.907	29.85	39.6	38.6	38	92	.228	46.7	39.6	N	10			.19	10	Nb	N	Lt. Rain			[illegible]	7
8	73.5	29.359	.128	29.231	30.17	35.1	31.1	25	64	.130	41.6	31.6	SW	11			0	0	0	0	Clear			[illegible]	8
9	72.0	29.414	.125	29.289	30.25	32.5	28.0	20	56	.103	37.4	22.6	W	5			0	0	0	0	Clear			[illegible]	9
10	71.5	29.409	.123	29.286	30.25	37.0	33.0	27	66	.143	44.0	24.6	SW	11			0	2	ASt	NW	Clear			[illegible]	10
11	74.0	29.447	.130	29.317	30.27	32.2	28.7	23	65	.118	36.0	30.0	NW	3			T	3	ASt	NW	Clear			[illegible]	11
12	74.5	29.690	.132	29.558	30.54	18.4	17.0	13	78	.074	19.5	16.2	NW	7			T	0	0	0	Clear			[illegible]	12
13	73.5	29.091	.127	28.964	29.92	22.0	21.0	19	86	.098	23.6	16.2	E	12			.04	10	Nb	E	Lt. Snow			[illegible]	13
14	74.5	28.846	.128	28.718	29.67	24.0	23.0	21	87	.108	26.8	24.0	SW	12			.02	10	Nb	SW	Lt. Snow			[illegible]	14
15	72.0	29.132	.124	29.008	29.97	19.8	18.2	14	76	.077	23.0	17.0	SW	11			.01	8	ASt	W	Cloudy			[illegible]	15
16	62.5	29.200	.098	29.102	30.06	23.4	21.4	17	73	.089	37.9	23.4	W	30	38	W	0	0	0	0	Clear			[illegible]	16
17	70.5	29.950	.123	29.827	30.82	20.3	18.0	12	66	.070	22.6	12.7	NW	5			T	0	0	0	Clear			[illegible]	17
18	73.0	29.947	.129	29.818	30.81	20.8	17.8	10	57	.063	22.9	10.7	E	11			0	0	0	0	Clear			[illegible]	18
19	75.5	29.536	.134	29.402	30.36	34.8	32.2	28	75	.150	34.8	21.4	S	[illegible]			.06	10	AST	NW	[illegible]			[illegible]	19
20	74.0	29.504	.130	29.374	30.32	42.8	41.3	40	88	.249	45.2	41.7	SW	10			T	10	St	SW	Cloudy			[illegible]	20
21	75.0	29.400	.133	29.267	30.21	47.0	46.3	46	95	.310	48.8	46.2	SW	8			.01	16 10	Nb Pcsdy	SW SW	Lt. Rain		B 4:00 pm cont'd	[illegible]	21
22	73.5	29.268	.128	29.140	30.07	49.6	47.0	44	83	[illegible]	51.8	48.3	[illegible]	[illegible]			.07	10	StCu	SW	Clear	B 11:25 cont'd E 5:[illegible]	E 11:25 cont'd	[illegible]	22
23	66.5	29.408	.110	29.298	30.25	36.2	32.8	28	70	.150	42.0	31.0	NW	5			0	0	0	0	Clear			[illegible]	23
24	72.0	29.579	.125	29.454	30.41	29.0	24.5	15	51	[illegible]	32.6	27.2	NE	9			0	9	Cu	NW	Cloudy			[illegible]	24
25	76.0	29.604	.135	29.469	30.41	18.2	[illegible]	9	65	[illegible]	22.6	13.3	NE	[illegible]	25	E	T	4	Cu	E	Pt. Cloudy			[illegible]	25
26	76.0	29.614	.135	29.479	30.45	23.9	21.0	14	62	.077	28.0	15.3	NE	9			0	0	0	0	Clear			[illegible]	26
27	76.0	29.500	.135	29.365	30.33	35.2	31.2	25	64	.130	36.8	17.2	SW	3			0	4	AST	NW	Pt. Cloudy			[illegible]	27
28	73.0	29.221	.126	29.095	30.05	38.7	33.0	24	54	.124	44.0	28.1	S	6			0	2	ACu	W	Clear			[illegible]	28
29	71.0	29.044	.120	28.924	29.87	38.0	38.0	38	100	.228	39.0	34.0	SE	2			.28	10 10	Nb Lt. Fog	SE SE	Lt. Rain	B 3:10 cont'd E Cont'd	B Cont'd E DNA	[illegible]	29
30	68.0	29.124	.112	29.012	[illegible]	30.0	29.5	29	95	.157	[illegible]	[illegible]	NE	[illegible]			.18	10	Nb	NE	Lt. Snow			[illegible]	30
31	69.0	29.512	.117	29.395	30.37	26.3	[illegible]	22	82	.113	27.6	24.0	NE	2			T	7	StCu	NE	Pt. Cloudy			[illegible]	31
Sums		(a)	(a)	905.614	935.21	1008.7	924.9	782	2271	4.421	(a)	(a)	(a)	310	(a)	(a)	0.96	147	(a)	(a)	(a)	3	2	(a)	(a)
Means		(a)	(a)	29.213	30.168	32.5	29.8	26.2	73.3	.143	(a)	(a)	(c) SW	10.0	(a)	(a)	(a)	14.7	U AST L Nb	U NW L SW	(a)	(a)	(a)	(a)	(a)

Observations are begun about 7.40 o'clock, 75th meridian time.

† By dial when self-register is out of order. †† T indicates trace of precipitation. U, upper clouds. L, lower clouds.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of January, 1921.

Date.	Temperature. Maximum. (b)	Minimum. (b)	Range. (b)	Change. (b)	Mean (max. and min.). (b)	Normal.	Departure.	Total excess or deficiency since 1st of month.	Precipitation. Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Total (mid. to mid.). (b) ††	Normal.	Departure.	Total excess or deficiency since 1st of month.	Hail and sleet unmelted. 2 p.m. to 2 p.m. *‡‡	Snow unmelted. 2 p.m. to 2 p.m. *‡‡	Hail, sleet, and snow on ground at 2 p.m. *‡‡	Amount of precipitation from melted snow (mid. to mid.).	Date.
	°	°	°	°	°																In.				In.	In.	In.	In.	
1	54	37	17	8	46				R	1:35p	4:30p										.10				0	0	0	0	1
2	38	33	5	10	36																0				0	0	0	0	2
3	50	33	17	6	42																0				0	0	0	0	3
4	52	39	13	4	46																0				0	0	0	0	4
5	40	30	10	11	35				Sm	7:48a	8:50a										T				0	T	0	T	5
6	44	28	16	1	36																0				0	0	0	0	6
7	47	37	10	6	42				R	2:31p	7:45p										.20				0	0	0	0	7
8	42	30	12	6	36																0				0	0	0	0	8
9	37	23	14	6	30																0				0	0	0	0	9
10	44	24	20	4	34																0				0	0	0	0	10
11	36	26	10	3	31				Sm	9:36a	1:32p										T				0	T	T	T	11
12	26	14	12	11	20				Sd	8:37a	2:50p										T				0	T	T	T	12
13	31	15	16	3	23				Sd	3:10p	DNP										.08				0	0.7	0.7	.08	13
14	33	24	9	5	28				Sd	8:12a	Cont'd										.04				0	0.9	1.4	.04	14
15	25	17	8	7	21				Sd	Cont'd	10:25a	Sd	11:32a	2:45p							.03				0	0.7	2.0	.03	15
16	38	15	23	5	26				Sd	10:55p	Cont'd										T				0	0	0.4	T	16
17	23	13	10	8	18				Sd	Cont'd	DNA	Sd	7:05a	11:30a							T				0	T	0.3	T	17
18	23	11	12	1	17																0				0	0	0.2	0	18
19	39	16	23	11	28				Sm	7:15a	8:10a	R	8:10a	12:50p							.06				0	T	T	T	19
20	46	39	7	14	42				R	DNA	DNA	R	2:35p	6:25p							T				0	0	0	0	20
21	49	45	4	5	47				R	8:20a	10:30a	R	11:03a	Cont'd							.51				0	0	0	0	21
22	52	37	15	3	44				R	Cont'd	DNA	R	7:25a	11:35a	R	2:25p	5:45p				.35				0	0	0	0	22
23	42	31	11	8	36																0				0	0	0	0	23
24	33	21	12	9	27																0				0	0	0	0	24
25	23	16	7	7	20				Sd	6:20a	10:40a										T				0	T	0	T	25
26	28	14	14	1	21																0				0	0	0	0	26
27	37	16	21	5	26																0				0	0	0	0	27
28	44	23	21	8	34																0				0	0	0	0	28
29	39	32	7	2	36				R	10:50a	Cont'd										.35				0	0	0	0	29
30	36	27	9	4	32				R	Cont'd	DNA	R	6:15a	10:55a	Sm	10:55a	11:15a	R Sm	11:15a 11:50a	11:50a Cont'd.	.33				0	0.8	0.6		30
31	28	18	10	9	23				Sm	Cont'd	10:10a										.08				0	2.9	3.5	0.0	31
S	1179	784	395	191	983		Total excess or deficiency since January 1,		(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	2.11		Total excess or deficiency since January 1,		0	6.0	(a)	(a)	(a)
M	38.0	25.3	12.7	6.2	31.7	(a)			(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)			(a)	(a)	(a)	(a)	(a)

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, Sd—dry snow, Sm—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths.

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SUMMARY FOR THE MONTH OF January, 192

The 8 a.m. and 8 p.m. means of pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian time. All other data are in the standard of time in local use.

PRESSURE.

(Correction to reduce to a 24-hour mean -.005.)

STATION. Mean. 8 a.m.	8 p.m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.	REDUCED. Mean. 8 a.m.	8 p.m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.
29.219	29.213	29.216	29.960	18	28.600	1	1.360	30.176	30.168	30.172	30.96	18	29.51	1	1.45
Corrected mean 29.211								Corrected mean 30.167			3,500-ft			10,000-ft	

TEMPERATURE.

Mean. Dry. 8 a.m.	8 p.m.	(8+8)÷2 (g)	Wet. 8 a.m.	8 p.m.	Monthly. (g)	Max.	Min.	Monthly. (g)	Sea-level. (g)	3,500-ft. (g)	10,000-ft. (g)	Highest. (i)	Date. (i)	Lowest. (i)	Date. (i)	Absolute range.	Greatest daily range. (i)	Date. (i)	Least daily range. (i)	Date. (i)
29.2	32.5	30.8	27.3	29.8	28.6	38.0	25.3	31.6				54	1	11	18	43	23	16	7	2

Dew-point. 8 a.m.	8 p.m.	Monthly. (g)	Relative Humidity. 8 a.m.	8 p.m.	Monthly. (g)	Vapor Pressure. 8 a.m.	8 p.m.	Monthly. (g)	Number of days with—(j) Maximum. 32° or below.	90° or above.	Minimum. 32° or below.	Zero or below.
23.7	25.2	24.4	78.7	73.3	76.0	.135	.143	.139	8	0	23	0

Clouds.

Most frequent clouds Ci St.

Most frequent direction upper clouds NW

Most frequent direction lower clouds SW

WIND.

Total movement (mid. to mid.).	Average hourly velocity.	Prevailing direction. (p)	Maximum velocity. (r)	Direction. (r)	Date. (r)	Number of times wind observed from the— N.	NE.	E.	SE.	S.	SW.	W.	NW.	Calm.
8042	10.8	SW	38	W	16	4	8	5	3	7	22	5	8	0

WEATHER.

Mean Cloudiness. 8 a.m.	8 p.m.	Monthly. (t)	Sunshine. Percentage of possible.	Number of Days. Clear.	Partly cloudy.	Cloudy.	Number of Days with Precipitation (Mid. to Mid.). Clear. (u)	Partly cloudy. (u)	Cloudy. (u)
6.9	4.7	6.7	42	6	8	17	0	0	11

MISCELLANEOUS PHENOMENA.

Dates of—(Midnight to Midnight).

Frosts. Light.	Heavy.	Killing.	Thunderstorms. (v)	Winds. (40 miles or over.)	Solar Halos.	Lunar Halos.	Fog. Light.	Dense.	Haze. Light.	Dense.	Smoke. Light.	Dense.	Hail.	Aurora.
–	–	–	0	0	4, 6	0	22, 29, 30	21, 22	0	0	0	0	0	0

PRECIPITATION (in inches and hundredths). (m)

Total amount.	Greatest amount in 24 consecutive hours. Amt.	Date. (k)	Excessive. 2.50 inches in 24 hours. (l) * Amt.	Duration. h. m.	Date. (k)	1 inch per hour. (l) Amt.	Duration. h. m.	Date. (k)	Number of days with—(Mid. to Mid.). Trace.	.01 or more.	.04 or more.	.25 or more.	1.00 or more.	Total.	Snow. Trace or more.	.01 or more melted.	Snow. Total depth. (o)	Average depth at end of month.
2.11	0.84	⊗ 21-22	0			0			7	11	10	4	0	18	12	5	6.0	3.5

(w) Maximum precipitation in 5 minutes –, date –; 10 minutes –, date –; 15 minutes –, date –;

30 minutes –, date –; 1 hour –, date –; 2 hours –, date –.

EXCESSIVE.

⊗ from 5:40 pm. 21st to 5:40 pm 22d.

Date.	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amt. before excessive began.	Accumulated depths during excessive rate for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Automatic raingage not exposed during the month

* The duration is the time precipitation was actually recorded.

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Prepared by [illegible], P. M. Gnaughey, Meteorologist, Weather Bureau.

(6)

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind, for the Month of [illegible], 192[illegible]

Number of Station barometer, 656; sum of corrections, −.009 inch.

SPECIAL OBSERVATIONS.

Date.	Time. 75th mer.	Time. Local (standard).	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.)	Barometer. Reduced to sea-level.	Thermometers. Dry.	Thermometers. Wet.	Dew-point.	Depression of the dew-point.	Relative humidity.	Maximum thermometer.	Wind. Direction.	Wind. Velocity. †	Wind. Max. since last observation.	Wind. Direction.	Precipitation. ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Special Phenomena.	Initials of Observer.	Date.
30	12 Noon	11 a.m.	68.0	29.004	.112	28.892	29.84	34.0	33.0	32	2	90	34.2	NE	14	21	NE	.10	10	Nb	NE	Lt. Snow	Called for by C.O.	P.W.D.	30
31	12 Noon	11 a.m.	69.0	29.454	.117	29.337	30.30	26.0	25.0	23	3	88	26.2	NE	7			T	9	St Cu	NE	Cloudy	Ordered by C.O.	[illegible]	31
								HIGHEST																	
18th	10:00 AM	9:00 AM				29.960	30.96	14.0																	18th
								LOWEST																	
1st	5:00 P.M.	4:00 P.M.				28.600	29.51	52.0																	1st

If additional space is required, rule a sheet similar to this, and paste to this margin. † By dial when self-register is out of order. †† T indicates trace of precipitation.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of JAN, 1921

Wind—Number of Miles and Length of Time From. (Standard of time in local use, 90 meridian.)

DATE.	N.		NE.		E.		SE.		S.		SW.		W.		NW.		CALM.		TOTAL.	
	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.
1									257	15	119	7	31	2					407	24
2											428	24							428	24
3									61	5	232	19							293	24
4									12	1	253	22	11	1					276	24
5													106	7	233	17			339	24
6							9	1	151	15	9	2	19	4	9	2			197	24
7	53	6									162	14	7	1	23	3			243	24
8	15	2									30	3	107	9	66	10			218	24
9	19	5	7	2	10	3			6	1	40	8	18	4	6	1			106	24
10											241	24							241	24
11	31	4									89	12	12	2	28	6			160	24
12	24	4									5	1	11	2	216	17			256	24
13	4	2			67	7	83	12	14	3									168	24
14									9	1	254	20	41	3					304	24
15											149	12	181	12					330	24
16									101	7	72	4	344	13					517	24
17	19	3	12	2									127	11	59	8			217	24
18	162	19	30	5															192	24
19					26	3	85	11	141	9	17	1							269	24
20											349	24							349	24
21											271	24							271	24
22											154	16	71	5	47	3			272	24
23	6	2									19	2	121	13	62	7			208	24
24	80	9	120	10							4	1	7	2	9	2			220	24
25			72	4	332	20													404	24
26			317	22	25	2													342	24
27	16	6	16	5			9	2	3	1	17	6	9	2	10	2			80	24
28							12	4	136	18	16	2							164	24
29			15	3	8	2	7	3	88	14	13	2							131	24
30	74	7	238	17															312	24
31	78	13	45	10	5	1													128	24
SUM.	581	82	872	80	473	38	205	33	979	90	2943	250	1223	93	766	78			8042	744
PERCENTAGE	7	11	11	11	6	5	2	4	12	12	37	34	15	12	10	11			a	a
AVG. HOURLY VELOCITY	7.1	a	10.9	a	12.4	a	6.2	a	10.9	a	11.8	a	13.2	a	10.0	a		a	10.8	a

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Form No. 1001—Met'l.

U. S. DEPARTMENT OF AGRICULTURE,

WEATHER BUREAU.

ORIGINAL MONTHLY RECORD

OF

OBSERVATIONS

AT

For the Month of _____, *1921*

*Station is supplied with a barograph, thermograph, sunshine recorder, and self-recording rain gage.

†No. of dry thermometer in use, _____; No. of wet thermometer in use, _____; No. of maximum thermometer in use, _____; No. of minimum thermometer in use, _____

†Elevation above ground of the dry thermometer, _____ feet; rain gage, _____ feet; anemometer, _____ feet.

If the office has been moved during the month, give date _____; amount of change in height of barometer, _____ feet (higher or lower).

No. of extra barometer, 675; sum of corrections, -.017; date and observation upon which use of station barometer commenced, May 20, 1921 7 a. m., station elevation, 856 feet; actual elevation, 856 feet.

Location of office: Number Corner of Berry & Calhoun street, room 911-912 Sheroff Building; first observation taken in present office, [illegible] m. May 20, 19[illegible]

*Cancel words that are not appropriate. †To be entered only in December unless changes are made during the year. Changes made during the year will be noted in the appropriate months. 8—152

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at ....., *for the Month of* *192*

Number of Station barometer, 656 ; *sum of corrections,* −.009 *inch.*

OBSERVATIONS AT 8 A. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO ..... A. M. ..... MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; ..... A. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Self-reg. ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 a. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.		Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.							
1	67.0	29.489	.111	29.378	30.35	15.0	14.2	12	86	.070	26.3	14.8	E	4			0	8	A St	W	Cloudy		[illegible]	1
2	68.0	29.267	.113	29.154	30.10	27.0	26.0	24	88	.124	29.7	25.2	SW	10			T	10	St	SW	Lt. Snow		[illegible]	2
3	66.0	28.994	.107	28.887	29.84	33.0	31.2	28	82	.150	34.1	29.6	NW	8	25	SW	.01	10	St	NW	Cloudy		[illegible]	3
4	69.5	28.921	.116	28.805	29.74	37.8	34.0	29	68	.157	37.8	28.8	S	12			0	4 6	A St St	SE SW	Cloudy		[illegible]	4
5	78.0	28.840	.137	28.703	29.64	34.7	34.3	34	96	.195	38.5	33.6	NE	8			T	10	Dense fog	NE	Foggy		[illegible]	5
6	68.0	29.287	.113	29.174	30.11	32.0	30.5	28	85	.150	35.0	30.9	W	5			0	2	St Cu	W	Clear		[illegible]	6
7	67.0	29.215	.110	29.105	30.05	33.6	33.0	32	94	.189	36.3	32.1	E	12			.30	10	Nb	E	Lt. Rain		[illegible]	7
8	68.5	29.376	.115	29.261	30.22	29.0	27.0	24	78	.124	33.2	27.8	E	11			0	10	St Cu	E	Cloudy		[illegible]	8
9	69.5	29.120	.116	29.004	29.95	36.0	34.0	31	82	.172	37.8	33.0	W	9			.01	10	St Cu	NW	Cloudy		[illegible]	9
10	70.0	29.134	.118	29.016	29.97	32.0	30.0	27	79	.143	36.0	32.0	E	6			0	10	St	NE	Cloudy		[illegible]	10
11	69.0	28.918	.115	28.803	29.74	31.1	30.8	30	97	.164	31.3	29.4	NW	12			.12	10	Nb	NW	Lt. Snow		[illegible]	11
12	69.0	29.184	.116	29.068	30.02	32.2	30.4	28	82	.150	32.7	29.0	W	8			0	10	St	W	Cloudy		[illegible]	12
13	67.0	29.256	.111	29.145	30.09	30.1	28.7	26	85	.136	35.3	28.6	E	4			0	5	A St	W	Pt. Cloudy		[illegible]	13
14	67.0	29.300	.111	29.189	30.13	38.0	36.0	33	83	.187	46.8	38.0	N	6			0	4	A St	NW	Pt. Cloudy		[illegible]	14
15	69.0	29.342	.116	29.226	30.17	33.0	30.5	27	76	.143	37.2	29.0	SE	4			0	2	Lt. Smoke	SE	Clear		[illegible]	15
16	68.5	28.932	.114	28.818	29.73	56.0	51.0	47	71	.322	59.0	53.0	SW	19			0	10	St Cu	W	Cloudy		[illegible]	16
17	64.5	29.312	.104	29.208	30.16	20.8	19.0	15	74	.081	44.0	20.8	W	23	35	W	T	2	Cu	W	Clear		[illegible]	17
18	69.5	29.727	.103	29.624	30.60	19.1	18.0	15	84	.081	19.1	15.7	W	5			0	0	0	0	Clear		[illegible]	18
19	66.0	29.643	.109	29.534	30.49	27.6	25.0	20	70	.103	30.0	25.0	W	2			0	7	A St	0?	Pt. Cloudy		[illegible]	19
20	68.0	29.524	.114	29.410	30.38	18.0	17.0	14	84	.077	29.5	16.0	NE	14			0	9	St Cu	NE	Cloudy		[illegible]	20
21	66.5	29.415	.110	29.305	30.26	18.7	17.7	15	85	.081	27.9	18.7	E	5			0	4	Ci St	W	Pt. Cloudy		[illegible]	21
22	70.0	29.376	.119	29.257	30.21	26.0	25.0	23	88	.118	33.4	26.0	SW	11			0	2	A St	NW	Clear		[illegible]	22
23	65.0	29.103	.104	28.999	29.95	25.1	24.6	24	94	.124	38.0	25.1	W	16	29	W	.06	10	Nb	W	Lt. Snow		[illegible]	23
24	65.0	29.183	.105	29.078	30.04	21.0	19.0	14	71	.077	23.0	20.2	W	6			T	10	St Cu	W	Lt. Snow		[illegible]	24
25	66.0	29.167	.108	29.059	30.01	28.0	27.0	25	88	.130	28.0	26.0	W	12			T	9	St Cu	NW	Lt. Snow		[illegible]	25
26	66.0	28.873	.106	28.767	29.71	37.3	34.0	29	72	.157	37.3	31.0	S	17			.05	1 7	Cu St Cu	NW SW	Cloudy		[illegible]	26
27	67.0	29.387	.111	29.276	30.24	25.8	24.3	22	82	.113	36.5	25.8	N	9			T	10	St	N	Cloudy		[illegible]	27
28	67.5	29.209	.112	29.097	30.05	33.0	30.8	28	78	.150	33.0	28.3	SW	8			0	10	St	SW	Cloudy		[illegible]	28
29																								29
30																								30
31																								31
Sums		(a)	(a)	815.350	841.95	830.9	783.0	704	2302	3.859	(a)	(a)	(a)	266	(a)	(a)	0.55	200	(a)	(a)	(a)		(a)	(a)
Means		(a)	(a)	29.120	30.070	29.7	28.0	25.1	82.2	.138	(a)	(a)	(c) W	9.5	(a)	(a)	(a)	7.1	U a St. L St Cu.	U W L W	(a)		(a)	(a)

Reference letters in this form refer to paragraph 121, "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order.

†† T indicates trace of precipitation.

U, upper clouds. L, lower clouds.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at [illegible], for the Month of [illegible], 192[illegible]

Number of Station barometer, 656; sum of corrections, −.009 inch.

OBSERVATIONS AT 8 P. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 P. M. 90TH MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:12 P. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Self-reg. ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 p. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Fog, Mid. to Mid. (local standard time). Light. (f)	Fog, Mid. to Mid. (local standard time). Dense. (f)	Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.								
1	71.5	29.400	.123	29.277	30.25	29.2	28.0	26	87	.136	29.2	15.0	W	3			T	10	St	W(?)	Cloudy			P.M.S.D.	1
2	71.0	29.100	.120	28.980	29.93	32.6	31.4	30	88	.164	33.0	26.7	SW	12			T	8	ACu	W	Cloudy			P.M.S.D.	2
3	71.5	29.062	.121	28.941	29.89	35.0	31.4	26	67	.136	37.2	31.6	SE	6			0	2	St	SE	Clear			[illegible]	3
4	73.0	28.912	.125	28.787	29.72	38.5	38.0	38	96	.228	40.4	37.4	SW	7			.06	10	Nb	SW	Lt. Ra[illegible]		B-9:250p E-Con'd	[illegible]	4
5	72.0	29.036	.123	28.913	29.86	35.0	34.0	33	91	.187	38.6	34.7	NW	5			T	10	St.	NW	Cloudy	B-9:00a E-8:30p	B-Con'd E-9:30a	[illegible]	5
6	67.0	29.330	.111	29.219	30.16	36.3	33.6	30	76	.169	40.6	32.0	E	8			0	9	StCu	SW	Cloudy			[illegible]	6
7	68.5	29.338	.115	29.223	30.16	33.2	31.2	28	80	.150	34.8	32.3	NE	12			.16	10	St.	NE	Cloudy			P.M.S.D.	7
8	73.0	29.112	.125	28.987	29.94	33.0	33.0	33	100	.187	33.0	29.0	E	7			T	10	Nimbus	E	Foggy		B-6:30p E-11:00p	P.M.S.D.	8
9	73.5	29.252	.128	29.124	30.07	35.4	33.2	30	80	.164	36.6	33.6	W	4			T	8	StCu	W	Cloudy			P.M.S.D.	9
10	74.5	28.904	.129	28.775	29.72	31.3	30.3	29	89	.157	33.1	31.3	NE	10			T	10	Nb	NE(?)	Lt. Snow			P.M.S.D.	10
11	73.5	29.051	.127	28.924	29.87	32.7	30.6	28	79	.150	35.3	31.1	W	9			T	5	StCu	W	Pt. Cloudy			P.M.S.D.	11
12	70.0	29.254	.119	29.135	30.09	35.3	32.4	28	74	.150	37.9	32.2	W	8			T	9	StCu	W	Cloudy			[illegible]	12
13	67.0	29.184	.110	29.074	30.01	46.8	42.8	39	73	.237	50.3	30.1	SW	12			0	9	A St	NW	Cloudy			[illegible]	13
14	71.5	29.476	.123	29.353	30.30	37.2	32.7	26	62	.136	45.0	37.2	E	7			0	0	0	0	Clear			P.M.S.D.	14
15	70.5	29.086	.119	28.967	29.91	59.0	53.0	48	68	.334	66.0	33.0	S	14	26	SW	0	1	Ci	NW	Clear			P.M.S.D.	15
16	69.0	29.112	.115	28.997	29.93	44.0	38.0	30	57	.164	60.9	44.0	SW	16	34	W	T	0	0	0	Clear			[illegible]	16
17	66.0	29.605	.109	29.496	30.47	17.2	15.8	12	77	.070	21.0	17.2	NW	11	29	SW	T	0	0	0	Clear			[illegible]	17
18	71.5	29.702	.124	29.578	30.55	30.0	29.0	27	89	.143	43.0	19.1	SW	6			0	3	Ci St	W	Clear			P.M.S.D.	18
19	73.5	29.585	.129	29.456	30.42	29.5	28.0	26	84	.136	33.8	27.6	NE	16			0	10	St	E	Cloudy			P.M.S.D.	19
20	70.0	29.500	.119	29.381	30.35	27.9	23.9	15	55	.081	30.7	18.0	E	7			T	2	A St	W	Clear			[illegible]	20
21	71.0	29.272	.121	29.151	30.11	33.4	30.0	25	67	.130	36.4	18.4	E	4			0	2	Ci St	NW	Clear			P.M.S.D.	21
22	71.0	29.075	.120	28.955	29.91	38.0	34.0	28	67	.150	41.3	26.0	SE	13			0	10	StCu	SW	Cloudy			[illegible]	22
23	68.0	29.248	.113	29.135	30.10	23.0	22.0	20	87	.103	25.4	23.0	NW	13			.01	10	Nb	NW	Lt. Snow			[illegible]	23
24	66.5	29.162	.109	29.053	30.01	28.0	26.0	22	77	.113	29.6	21.0	N	6			T	10	St	N	Cloudy			P.M.S.D.	24
25	69.5	29.194	.117	29.077	30.03	31.0	28.7	25	76	.130	34.6	28.0	SW	10			T	9	StCu	SW	Cloudy			P.M.S.D.	25
26	69.0	29.100	.115	28.985	29.93	36.5	35.5	34	91	.195	44.5	36.5	W	5			.10	10	Nb	NW	Lt. Rain			[illegible]	26
27	69.0	29.368	.116	29.252	30.20	32.2	29.7	26	74	.136	33.0	25.8	S	5			0	10	St	N	Cloudy			[illegible]	27
28	69.0	29.132	.116	29.016	29.97	40.4	38.2	35	82	.203	47.2	33.0	NW	7			0	10	St.	W	Cloudy			P.M.S.D.	28
29																									29
30																									30
31																									31
Sums		(a)	(a)	815.711	841.56	961.6	944.4	747	2193	4.494	(a)	(a)	(a)	243	(a)	(a)	0.33	187	(a)	(a)	(a)	1	3	(a)	(a)
Means		(a)	(a)	29.115	30.066	34.3	31.9	28.5	78.3	.158	(a)	(a)	(c)	8.7	(a)	(a)	(a)	6.7	U Ci St Cu St L St	U W NW L W	(a)	(a)	(a)	(a)	(a)

Observations are begun about 7.40 o'clock, 75th meridian time.

† By dial when self-register is out of order. †† T indicates trace of precipitation. U, upper clouds. L, lower clouds.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at _____, for the Month of _____, 192

Date.	TEMPERATURE. Maximum. (b)	Minimum. (b)	Range. (b)	Change. (b)	Mean (max. and min.). (b)	Normal.	Departure.	Total excess or deficiency since 1st of month.	PRECIPITATION. Character.‡	Beginning.	Ending.	Character.‡	Beginning.	Ending.	Character.‡	Beginning.	Ending.	Character.‡	Beginning.	Ending.	Total (mid. to mid.). (b) ††	Normal.	Departure.	Total excess or deficiency since 1st of month.	Hail and sleet unmelted. p.m. to p.m. *‡‡	Snow unmelted. p.m. to p.m. *‡‡	Hail, sleet, and snow on ground at p.m. *‡‡	Amount of precipitation from melted snow (mid. to mid.).	Date.
	°	°	°	°	°																In.				In.	In.	In.	In.	
1	29	15	14	1	22				Sd	11:15a	3:40p										T				0	T	3.0	T	1
2	33	25	8	7	29				Sd	12:02a	DNA	Sd	5:45a	9:30a							T				0	T	2.8	T	2
3	37	30	7	5	34				Sd	DNA	DNA										.01				0	0.1	1.5	.01	3
4	40	29	11	0	34				R	11:35a	7:8[illegible]										.06				0	0	[illegible]	[illegible]	4
5	39	33	6	2	36				R	9:35a	11:27a	R	4:18p	6:10p							T				0	0	T	[illegible]	5
6	41	31	10	0	36																0				0	0	[illegible]	[illegible]	6
7	35	32	3	2	34				R	1:00a	11:30a										.46				0	0	0	0	7
8	36	28	8	2	32				R	4:53p	5:30p	R	7:28p	11:50p							.01				0	0	0	0	8
9	38	34	4	4	36				R	12:25p	12:40p										T				0	0	0	0	9
10	34	30	4	4	32				Sm	4:15p	Cont'd.										ϕ .05				0	T	T	ϕ .05	10
11	35	29	6	0	32				Sm	Cont'd	12:17p										ϕ .07				0	1.5	0.3	ϕ .07	11
12	38	29	9	2	34				Sd	9:20a	9:30a										T				0	T	0	T	12
13	50	29	21	6	40																0				0	0	0	0	13
14	45	32	13	2	38																0				0	0	0	0	14
15	66	29	37	10	48																0				0	0	0	0	15
16	61	40	21	2	50				R	12:17p	12:30p										T				0	0	0	0	16
17	40	16	24	22	28				Sd	DNA	DNA	Sd	8:19a	3:40p							T				0	T	T	T	17
18	33	16	17	4	24																0				0	0	0	0	18
19	34	24	10	5	29																0				0	0	0	0	19
20	31	16	15	5	24				Sd	7:02a	8:10a										T				0	T	0	T	20
21	36	18	18	3	27																0				0	0	0	0	21
22	41	26	15	7	34				R+Sm	7:30p	11:30p	Sm	11:30p	Cont'd							ϕ .04				0	0	0	T	22
23	35	21	14	6	28				Sm	Cont'd	9:35a	Sm	12:10p	Cont'd							ϕ .03				0	0.3	0.2	ϕ .03	23
24	30	20	10	3	25				Sm	Cont'd	11:10a										T				0	T	0.2	T	24
25	35	26	9	5	30				Sd	DNA	10:50a	Sd	12:03p	1:30p							T				0	T	T	T	25
26	44	28	16	6	36				Sm	DNA	DNA	R	11:47a	8:20p							.15				0	0.4	0	0.5	26
27	33	26	7	6	30																0				0	0	0		27
28	47	29	18	8	38																0				0	0	0	0	28
29																													29
30																													30
31																													31
S	1096	741	355	179	920		Total excess or deficiency since January 1,		(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	0.88		Total excess or deficiency since January 1,		0	2.3	(a)	(a)	(a)
M	34.1	26.5	12.7	4.6	32.9	(a)			(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)			(a)	(a)	(a)	(a)	(a)

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, Sd—dry snow, Sm—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths.

ϕ Estimated.

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SUMMARY FOR THE MONTH OF [illegible], 192

The 8 a.m. and 8 p.m. means of pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian time. All other data are in the standard of time in local use.

PRESSURE.

(Correction to reduce to a 24-hour mean [illegible])

STATION. Mean. 8 a.m.	8 p.m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.	REDUCED. Mean. 8 a.m.	8 p.m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.
29.120	29.115	29.118	29.640	18	28.690	5	0.950	30.070	30.056	30.068	30.62	18	29.63	5	0.99
Corrected mean		29.113						Corrected mean		30.063	3,500-ft			10,000-ft	

TEMPERATURE.

Mean. Dry. 8 a.m.	8 p.m.	(8+8)÷2 (g)	Wet. 8 a.m.	8 p.m.	Monthly. (g)	Max.	Min.	Monthly. (g)	Sea-level. (g)	3,500-ft. (g)	10,000-ft. (g)	Highest. (i)	Date. (i)	Lowest. (i)	Date. (i)	Absolute range.	Greatest daily range. (i)	Date. (i)	Least daily range. (i)	Date. (i)
29.7	34.3	32.0	28.0	31.9	30.0	39.1	26.5	32.8	—	—	—	66	15	15	1	51	39	15	3	7

Dew-point. 8 a.m.	8 p.m.	Monthly. (g)	Relative Humidity. 8 a.m.	8 p.m.	Monthly. (g)	Vapor Pressure. 8 a.m.	8 p.m.	Monthly. (g)
25.1	28.5	26.8	82.2	78.3	80.2	.138	.158	.148

Number of days with—(j) Maximum. 32° or below.	90° or above.	Minimum. 32° or below.	Zero or below.
3	0	25	0

CLOUDS.

Most frequent clouds: St. Cu.

Most frequent direction upper clouds: NW

Most frequent direction lower clouds: "

WIND.

Total movement (mid. to mid.).	Average hourly velocity.	Prevailing direction. (p)	Maximum velocity. (r)	Direction. (r)	Date. (r)	Number of times wind observed from the— N.	NE.	E.	SE.	S.	SW.	W.	NW.	Calm.
6833	10.2	W	35	W	17	3	5	11	3	4	10	14	6	0

WEATHER.

Mean Cloudiness. 8 a.m.	8 p.m.	Monthly. (t)	Sunshine. Percentage of possible.	Number of Days. Clear.	Partly cloudy.	Cloudy.	Number of Days with Precipitation (Mid. to Mid.). Clear. (u)	Partly cloudy. (u)	Cloudy. (u)
7.1	6.4	8.2	33	2	6	20	0	1	8

MISCELLANEOUS PHENOMENA.

Dates of—(Midnight to Midnight).

Frosts. Light.	Heavy.	Killing.	Thunderstorms. (v)	Winds. (40 miles or over.)	Solar Halos.	Lunar Halos.	Fog. Light.	Dense.	Haze. Light.	Dense.	Smoke. Light.	Dense.	Hail.	Aurora.
—	—	—	0	0	19, 21	18	5,	4, 5, 8	0	0	15	0	0	0

PRECIPITATION (in inches and hundredths). (m)

Total amount.	Greatest amount in 24 consecutive hours. Amt.	Date. (k)	Excessive. 2.50 inches in 24 hours. (l) * Amt.	Duration. h. m.	Date. (k)	1 inch per hour. (l) Amt.	Duration. h. m.	Date. (k)	Number of days with—(Mid. to Mid.). Trace.	.01 or more.	.04 or more.	.25 or more.	1.00 or more.	Total.	Snow. Trace or more.	.01 or more melted.	Snow. Total depth. (o)	Average depth at end of month.
0.88	0.46	7	0	—	—	0	—	—	10	9	6	1	0	19	13	5	23	0

(w) Maximum precipitation in 5 minutes —, date —; 10 minutes —, date —; 15 minutes —, date —;

30 minutes —, date —; 1 hour —, date —; 2 hours —, date —.

EXCESSIVE.

Date.	Total Duration. From—	To—	Total amount of precipitation.	Excessive Rate. Began—	Ended—	Amt. before excessive began.	Accumulated Depths During Excessive Rate for Consecutive Periods of Time Indicated Below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
	Automatic rain gage was not exposed during the month.																			

* The duration is the time precipitation was actually recorded.

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Prepared by [illegible]

[illegible], Meteorologist, Weather Bureau.

(6)

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at [illegible], for the Month of [illegible], 192

Number of Station barometer, 656; sum of corrections, [illegible] inch.

SPECIAL OBSERVATIONS.

Date.	Time. 75th mer.	Time. Local (standard).	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.)	Barometer. Reduced to sea-level.	Thermometers. Dry.	Thermometers. Wet.	Dew-point.	Depression of the dew-point.	Relative humidity.	Maximum thermometer.	Wind. Direction.	Wind. Velocity. †	Wind. Max. since last observation.	Wind. Direction.	Precipitation. ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Special Phenomena.	Initials of Observer.	Date.
19	12 noon	11 a.m.	71.0	29.666	.123	29.543	30.51	32.2	30.2	27	5	79	32.2	E	6			0	9	AST	W	Cloudy	Ordered by C.O. Observed	CHS	19
26	2 p.m.	1 p.m.	69.0	28.944	.115	28.829	29.76	40.4	27.9	34	4	80	44.5	SW	12	20	S	02	10	Nb	SW	Light rain.	8.70	W.M.S.	26
								Extremes of pressure.																	
5	11 a.m.	10 a.m.				28.690	29.63	34.0																	5
18	10 a.m.	9 a.m.				29.640	30.62	22.0																	18

If additional space is required, rule a sheet similar to this, and paste to this margin. † By dial when self-register is out of order. †† T indicates trace of precipitation.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of FEB, 1921

Wind—Number of Miles and Length of Time From. (Standard of time in local use, 90 meridian.)

DATE.	N.		NE.		E.		SE.		S.		SW.		W.		NW.		CALM.		TOTAL.	
	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.
1			3	1	60	16			7	2			33	5					103	24
2											246	19	45	5					291	24
3					12	2	22	5			121	10	47	7					202	24
4							7	2	90	8	117	13	3	1					217	24
5	21	4	84	11	11	2							33	5	15	2			164	24
6					67	8			4	1	24	4	50	9	12	2			154	24
7			196	15	119	9													315	24
8			37	3	190	16	6	2	2	1	15	2							250	24
9					12	3							138	17	46	4			196	24
10	44	5	101	9	52	8	8	2											205	24
11	30	4											64	6	133	14			227	24
12											101	9	116	13	9	2			226	24
13					5	1	28	6	26	3	128	14							187	24
14	42	5	53	6	53	7					34	4			16	2			198	24
15					19	3	25	5	136	10	109	6							289	24
16									18	1	346	16	161	7					525	24
17													402	20	69	4			471	24
18									7	1	74	11	75	12					156	24
19			162	12	16	2							28	9	4	1			210	24
20			234	18	37	6													271	24
21					149	24													149	24
22					2	1	25	3	120	8	132	11	22	1					301	24
23													421	24					421	24
24	32	7											62	11	26	6			120	24
25									70	5	58	6	90	9	33	4			251	24
26			58	4	110	7	143	10	18	3									329	24
27	33	5	90	12					21	3	32	3	2	1					178	24
28									22	3	158	14	24	4	23	3			227	24
29																				
30																				
31																				
SUM.	202	30	1018	91	804	108	121	25	633	53	1835	152	1834	169	386	47	0	0	6833	672
PERCENTAGE	3	3	15	14	12	16	2	4	9	8	27	23	27	25	5	7	0	0	a	a
AVG. HOURLY VELOCITY	6.7	a	11.2	a	7.4	a	4.8	a	11.9	a	12.1	a	10.9	a	8.8	a	0	a	10.2	a

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Form No. 1001—Met'l.

U. S. DEPARTMENT OF AGRICULTURE,

WEATHER BUREAU.

ORIGINAL MONTHLY RECORD

OF

OBSERVATIONS

AT

Fort Wayne, Ind.

For the Month of _____, *192*1.

*Station is supplied with a barograph, thermograph, sunshine recorder, and self-recording rain gage.

†No. of dry thermometer in use, _____; No. of wet thermometer in use, _____; No. of maximum thermometer in use, 15063 till 11 am 25" / 18656 from 11 am 26; No. of minimum thermometer in use, _____

†Elevation above ground of the dry thermometer, _____ feet; rain gage, _____ feet; anemometer, _____ feet.

If the office has been moved during the month, give date _____; amount of change in height of barometer, _____ feet (higher or lower).

No. of extra barometer, 675; sum of corrections, -.017; date and observation upon which use of station barometer commenced, May 20, 1911 7 am, station elevation, 856 feet; actual elevation, 856 feet.

Location of office: Number Corner of Berry & Calhoun; street, room 911-912 Shoaff Building; first observation taken in present office, 7 7 m. May 20, 1911

*Cancel words that are not appropriate. †To be entered only in December unless changes are made during the year. Changes made during the year will be noted in the appropriate months. 8—154

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at _____, for the Month of _____. 192

Number of Station barometer, 656; sum of corrections, −.009 inch.

OBSERVATIONS AT 8 A. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 A. M. 90TH MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; _____ A. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Self-reg. ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 a. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.		Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.							
1	69.0	29.180	.110	29.070	30.02	34.5	33.0	30	86	.164	40.4	33.4	SW	4			0	2	AST	NW	Clear		P.M.S.D.	1
2	70.0	29.004	.118	28.886	29.82	49.8	48.8	48	93	.334	50.6	45.9	SW	9			.26	6 2	ACu StCu	W SW	Cloudy		P.M.S.D.	2
3	69.0	29.340	.116	29.224	30.16	34.0	31.3	28	75	.150	50.1	34.0	NW	17			0	10	St	NW	Cloudy		P.M.S.D.	3
4	67.5	29.598	.113	29.485	30.45	21.9	20.4	17	79	.089	29.1	21.2	E	4			0	6 1	Ci St St	NW 0	Pt. Cloudy		P.M.S.D.	4
5	69.0	29.056	.115	28.941	29.87	47.1	45.0	43	85	.277	48.6	38.0	SW	18			.01	10	St	SW	Cloudy		P.M.S.D.	5
6	69.0	28.940	.115	28.825	29.73	51.5	49.0	46	84	.310	60.6	51.5	SW	10	40	SW	.06	10	St	SW	Cloudy		P.M.S.D.	6
7	68.5	29.174	.114	29.060	30.01	39.7	37.4	28	78	.192	38.6	33.7	NE	8			.01	10	St	NE	Cloudy		P.M.S.D.	7
8	70.0	28.958	.118	28.840	29.75	62.0	56.4	53	71	.402	63.0	47.3	S	20	28	S	.02	10	StCu	SW	Cloudy		P.M.S.D.	8
9	70.5	29.192	.120	29.072	30.01	34.3	32.8	30	86	.164	54.0	34.3	N	7			.16	5 4	AST StCu	W N	Cloudy		P.M.S.D.	9
10	69.0	29.462	.117	29.345	30.30	29.0	26.4	22	71	.113	35.5	27.7	SW	9			0	0	0	0	Clear		P.M.S.D.	10
11	69.5	29.325	.117	29.208	30.14	38.8	35.3	31	72	.172	46.6	37.4	S	8			0	6 1	Ci St St	W S	Pt. Cloudy		P.M.S.D.	11
12	72.0	29.120	.123	28.997	29.93	48.0	47.0	46	93	.310	58.0	48.0	E	8			.16	10	Nb	E	Lt. Rain		P.M.S.D.	12
13	70.0	29.430	.119	29.311	30.25	39.4	38.9	38	96	.228	50.3	37.6	NW	3			T	10	Dense Fog	NW	Foggy		P.M.S.D.	13
14	69.0	29.306	.116	29.190	30.12	41.0	41.0	41	100	.256	47.2	40.6	E	10			0	10	Dense Fog	E	Foggy		P.M.S.D.	14
15	71.0	29.220	.121	29.099	30.03	49.0	48.0	47	93	.322	53.4	47.6	SW	9			0	4	Ci St	W	Pt. Cloudy		P.M.S.D.	15
16	70.5	29.378	.121	29.257	30.19	34.3	31.8	28	77	.150	65.2	33.4	NW	8			.01	2	AST	W	Clear		P.M.S.D.	16
17	70.0	29.184	.118	29.066	30.01	38.0	33.8	28	65	.150	47.1	36.0	SW	8			0	8 1	AST St	NW SW	Cloudy		P.M.S.D.	17
18	70.0	29.407	.119	29.288	30.24	34.2	33.0	31	89	.172	49.0	34.0	E	13			0	8 2	AST St	NW E	Cloudy		P.M.S.D.	18
19	71.5	29.140	.122	29.018	29.95	54.5	49.5	45	70	.298	54.5	45.0	S	9			0	8	Ci St	SW	Cloudy		P.M.S.D.	19
20	74.0	29.130	.129	29.001	29.92	63.8	61.3	60	87	.517	71.0	59.3	SW	18			.24	9	StCu	SW	Cloudy		P.M.S.D.	20
21	75.5	29.426	.134	29.292	30.22	50.0	49.0	48	93	.334	71.0	50.0	NW	8	28	SW	.12	10	Nb	NW	Lt. Rain		P.M.S.D.	21
22	71.0	29.860	.123	29.737	30.71	29.0	27.9	26	88	.136	37.8	28.5	NE	12			0	4 1	Ci St St	SW NE	Pt. Cloudy		P.M.S.D.	22
23	70.0	29.632	.120	29.512	30.47	28.9	26.3	22	71	.113	31.5	25.6	E	6			0	0	0	0	Clear		P.M.S.D.	23
24	71.0	29.014	.120	28.894	29.82	42.4	41.9	41	96	.256	48.0	38.2	E	5			.08	10	Nb	E	Lt. Rain		P.M.S.D.	24
25	69.0	29.100	.115	28.985	29.91	43.7	42.1	40	88	.247	52.8	42.0	SW	13	31	SW	0	2	Ci St	W	Clear		P.M.S.D.	25
26	72.0	29.132	.124	29.008	29.94	52.2	49.0	46	80	.310	63.4	51.0	E	5	27	SW	.03	6 4	AST StCu	W SW	Cloudy		P.M.S.D.	26
27	74.0	29.166	.129	29.037	29.96	58.0	57.0	56	94	.448	67.7	58.0	SW	12	28	S	.22	10	Nb	SW	Lt. Rain		P.M.S.D.	27
28	69.5	29.472	.118	29.354	30.31	30.0	27.3	23	71	.118	44.3	30.0	NW	16	25	N	.01	9	StCu	NW	Cloudy		P.M.S.D.	28
29	67.0	29.691	.112	29.579	30.56	19.0	17.6	14	78	.087	22.0	16.7	NE	3			0	0	0	0	Clear		P.M.S.D.	29
30	68.0	29.312	.113	29.199	30.14	34.3	31.2	27	71	.143	37.3	31.0	S	7			0	0	0	0	Clear		P.M.S.D.	30
31	68.5	29.152	.114	29.038	29.98	38.5	37.5	36	92	.211	55.5	38.5	NW	9			T	10	Nb	NW	Lt. Rain		P.M.S.D.	31
Sums	(a)	(a)	(a)	905.818	931.910	1264.8	1208.9	1114	2572	7.121	(a)	(a)	(a)	241	(a)	(a)	1.39	201	(a)	(a)	(a)		(a)	(a)
Means	(a)	(a)	(a)	29.155	30.094	40.8	38.7	36.1	83.0	.230	(a)	(a)	(c) SW	9.1	(a)	(a)	(a)	6.5	U Cu. St. L St.	U W L SW	(a)		(a)	(a)

Reference letters in this form refer to paragraph 121, "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order. †† T indicates trace of precipitation. U, upper clouds. L, lower clouds.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at _____, for the Month of _____, 192

Number of Station barometer, 656; sum of corrections, −.009 inch.

OBSERVATIONS AT 8 P. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7h00 P. M. 90° MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7h12 P. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Self-reg. ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 p. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Fog, Mid. to Mid. (local standard time). Light. (f)	Fog, Mid. to Mid. (local standard time). Dense. (f)	Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.								
1	72.0	29.031	.123	28.908	29.84	50.6	44.1	37	60	.219	52.1	34.5	SE	8			0	10	ASt	NW	Cloudy				1
2	70.0	29.163	.118	29.045	29.97	50.1	44.1	37	62	.219	61.8	48.6	W	8	28	SW	T	2	ASt	W	Clear				2
3	71.0	29.609	.122	29.487	30.45	27.1	24.1	18	65	.093	34.0	27.1	NW	14			T	10	StCu	NW	Cloudy				3
4	72.0	29.221	.124	29.097	30.05	38.8	34.4	28	65	.150	39.5	21.9	E	4			T	10	Cu	W	Cloudy				4
5	72.5	28.883	.124	28.759	29.67	60.6	50.0	40	46	.247	64.0	47.1	SW	17			.23	2	ASt	W	Clear				5
6	70.5	29.072	.119	28.953	29.89	38.6	38.0	37	95	.219	51.5	38.6	E	6			.22	10	Nb	E	Lt. Rain				6
7	70.0	29.057	.118	28.939	29.88	48.0	47.0	46	93	.310	48.0	32.8	NE	14			.64	10	Nb	W	Lt. Rain 18				7
8	71.0	29.041	.120	28.921	29.84	54.0	52.0	50	88	.360	65.8	54.0	NW	10	32	SW	.24	10	StCu	SW	Cloudy				8
9	71.5	29.358	.122	29.236	30.18	35.5	30.0	20	51	.103	43.6	34.3	NW	5			0	1	Cu	N	Clear				9
10	71.0	29.332	.121	29.211	30.15	46.6	39.1	29	50	.157	51.4	29.0	S	10			0	0	0	0	Clear				10
11	71.0	29.228	.121	29.107	30.04	58.0	47.0	35	42	.203	61.0	38.8	SW	3			0	2	Ci. St	W	Clear				11
12	72.0	29.200	.124	29.076	30.01	50.3	48.8	47	90	.322	52.8	48.0	NW	14			.76	6	StCu	N	Pt. Cloudy				12
13	69.0	29.362	.116	29.246	30.18	47.2	45.2	43	86	.277	48.4	39.4	E	8			0	9	ASt	SW	Cloudy		B. DNA E. 8.30a		13
14	72.0	29.191	.124	29.067	30.01	51.0	49.0	47	87	.322	52.0	41.0	E	6			0	10	StCu	E	Cloudy	B. 11.00a E. 4.30p	B. DNA E. 11.00a		14
15	70.5	29.051	.119	28.932	29.85	65.2	61.0	59	79	.499	70.6	49.0	SW	9	25	SW	T	10	StCu	W	Cloudy 18				15
16	71.0	29.331	.121	29.210	30.15	47.1	38.1	25	41	.130	50.8	34.3	SW	6			0	1	ASt	NW	Clear				16
17	70.5	29.205	.120	29.085	30.02	48.0	43.5	37	64	.217	58.6	38.0	N	12			.01	0	0	0	Clear				17
18	72.0	29.280	.124	29.156	30.09	52.6	45.6	38	58	.228	54.9	33.6	SE	7			0	4	ASt	NW	Pt. Cloudy				18
19	71.0	29.072	.120	28.952	29.86	71.0	60.5	54	54	.417	76.2	54.5	SW	17	33	SW	0	4	AS CAST	SW W	Pt. Cloudy				19
20	75.0	29.172	.132	29.040	29.96	71.0	64.3	61	70	.536	75.0	63.8	SW	18	32	SW	0	2	St	SW	Clear				20
21	72.5	29.727	.127	29.600	30.55	37.8	33.1	26	61	.136	50.0	37.8	NW	9			.08	2	ASt	NW	Clear				21
22	72.0	29.768	.126	29.642	30.61	31.5	28.0	22	67	.113	37.0	29.0	E	15			0	9	StCu	NE	Cloudy				22
23	72.0	29.352	.124	29.228	30.17	48.0	42.0	35	60	.203	50.6	28.9	E	7			0	10	StCu	W	Cloudy				23
24	72.0	28.753	.122	28.633	29.54	52.8	49.0	45	76	.298	59.1	42.4	SW	28	35	W	.56	10	StCu	W	Cloudy				24
25	69.5	29.020	.116	28.904	29.83	60.8	51.8	44	54	.283	65.3	43.7	SE	5	25	S	0	9	StCu	W	Cloudy				25
26	73.0	29.128	.126	29.002	29.92	67.7	63.9	62	82	.535	72.0	52.2	SE	10			0	6	ASt	W	Pt. Cloudy				26
27	72.0	29.295	.124	29.171	30.10	44.3	[illegible]	42	93	.266	60.8	44.3	NW	15			.96	10	Nb	NW	Lt. R[illegible]				27
28	71.0	29.724	.123	29.601	30.57	22.0	18.5	9	52	[illegible]	30.0	22.0	NW	14	26	NW	T	4	StCu	NW	Pt. Cloudy				28
29	70.5	29.431	.121	29.310	30.27	37.3	32.0	24	56	.124	40.0	19.7	SE	5			0	3	Cu	W	Clear				29
30	70.0	29.087	.118	28.969	29.91	50.5	[illegible]	38	62	[illegible]	58.6	34.3	SW	7	17	SW	0	3 4	ACu StCu	W SW	Pt. Cloudy				30
31	70.0	29.300	.119	29.181	30.12	40.0	35.0	28	61	.150	47.7	38.5	N	8			T	1	ASt.	N	Clear			(2)	31
Sums	(a)	(a)	(a)	902.669	931.68	1510.0	1349.4	1163	2057	7.650	(a)	(a)	(a)	323	(a)	(a)	3.70	132	(a)	(a)	(a)	1	2	(a)	(a)
Means	(a)	(a)	(a)	29.118	30.054	48.7	43.5	37.5	66.4	.247	(a)	(a)	(c) SW	10.4	(a)	(a)	(a)	5.9	U AST L STCU	U W L W	(a)	(a)	(a)	(a)	(a)

Observations are begun about 7.40 o'clock, 75th meridian time.

† By dial when self-register is out of order. †† T indicates trace of precipitation. U, upper clouds. L, lower clouds.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at _____, for the Month of _____, 192

Date.	Temperature. Maximum. (b)	Minimum. (b)	Range. (b)	Change. (b)	Mean (max. and min.). (b)	Normal.	Departure.	Total excess or deficiency since 1st of month.	Precipitation. Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Total (mid. to mid.). (b) ††	Normal.	Departure.	Total excess or deficiency since 1st of month.	Hail and sleet unmelted. ‡ p.m. to ‡ p.m. *‡‡	Snow unmelted. ‡ p.m. to ‡ p.m. *‡‡	Hail, sleet, and snow on ground at ‡ p.m. *‡‡	Amount of precipitation from melted snow (mid. to mid.).	Date.
	°	°	°	°	°																In.				In.	In.	In.	In.	
1	52	33	19	4	42				R	10:45p	Cont'd										ø .13				0	0	0	0	1
2	62	43	19	10	52				R	Cont'd	DNA	R	1:50p	2:10p							ø .13				0	0	0	0	2
3	43	21	22	20	32				S^m	11:30a	5:45p										T				0	T	0	T	3
4	47	21	26	2	34				S^d	7:45a	8:30a										T				0	T	0	T	4
5	64	47	17	22	56				R	DNA	DNA	R	11:00a	12:07p	R	1:10p	2:10p				.24				0	0	0	0	5
6	59	37	22	8	48				R	DNA	DNA	R	7:05a	7:30a	R	10:20a	7:40p				.29				0	0	0	0	6
7	55	33	22	4	44				R	3:30p	8:00p										.66				0	0	0	0	7
8	66	40	26	9	53				R	11:43a	6:20p	R	8:10p	Cont'd							ø .30				0	0	0	0	8
9	44	31	13	15	38				R	Cont'd	DNA										ø .13				0	0	0	0	9
10	51	28	23	2	40																0				0	0	0	0	10
11	61	37	24	9	49																0				0	0	0	0	11
12	54	39	15	3	46				R	DNA	2:30p										.92				0	0	0	0	12
13	48	38	10	3	43				R	DNA	DNA										T				0	0	0	0	13
14	53	41	12	4	47																0				0	0	0	0	14
15	71	43	28	10	57				R	4:33p	4:35p	R	6:18p	6:30p	R	6:57p	7:30p				.01				0	0	0	0	15
16	51	33	18	15	42																0				0	0	0	0	16
17	59	36	23	6	48				R	11:39a	1:45p										.01				0	0	0	0	17
18	55	34	21	4	44																0				0	0	0	0	18
19	76	45	31	16	60																0				0	0	0	0	19
20	75	59	16	7	67				R	2:03a	DNA										.24				0	0	0	0	20
21	62	31	31	21	46				R	DNA	10:25a										.20				0	0	0	0	21
22	37	28	9	14	32																0				0	0	0	0	22
23	50	26	24	6	38																0				0	0	0	0	23
24	59	38	21	10	48				R	DNA	11:05a	R	1:20p	2:50p	R	4:10p	4:30p				.64				0	0	0	0	24
25	65	42	23	6	54				R	8:40p	Cont'd										ø .01				0	0	0	0	25
26	72	51	21	8	62				R	Cont'd	DNA										ø .02				0	0	0	0	26
27	67	37	30	10	52				R	5:50a	9:45a										1.19				0	0	0	0	27
28	37	20	17	24	28				S^m	9:49a	11:40p										T				0	T	0	T	28
29	40	17	23	0	28																0				0	0	0	0	29
30	59	31	28	17	45				R	7:35p	7:56p										T				0	0	0	0	30
31	51	32	19	3	42				R	3:55a	7:10a										T				0	0	0	0	31
S	1745	1092	653	292	1417		Total excess or deficiency since January 1,		(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	5.09		Total excess or deficiency since January 1,		0	T	(a)	(a)	(a)
M	563	352	21.1	9.4	457	(a)			(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)			(a)	(a)	(a)	(a)	(a)

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, S^d—dry snow, S^m—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths.

ø Estimated

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SUMMARY FOR THE MONTH OF _____, 192

The 8 a.m. and 8 p.m. means of pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian time. All other data are in the standard of time in local use.

PRESSURE.

(Correction to reduce to a 24-hour mean _____.)

STATION. Mean. 8 a.m.	Mean. 8 p.m.	Mean. Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.	REDUCED. Mean. 8 a.m.	Mean. 8 p.m.	Mean. Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.
29.155	29.118	29.136	29.750	22	28.520	24	1.230	30.094	30.054	30.074	30.72	22	29.43	24	1.29
Corrected mean		29.131						Corrected mean		30.069	3,500-ft			10,000-ft	

TEMPERATURE.

Mean. Dry. 8 a.m.	Dry. 8 p.m.	Dry. (8+8)÷2 (g)	Wet. 8 a.m.	Wet. 8 p.m.	Wet. Monthly. (g)	Max.	Min.	Monthly. (g)	Sea-level. (g)	3,500-ft. (g)	10,000-ft. (g)	Highest. (i)	Date. (i)	Lowest. (i)	Date. (i)	Absolute range.	Greatest daily range. (i)	Date. (i)	Least daily range. (i)	Date. (i)
40.8	48.7	44.8	38.7	43.5	41.1	56.3	35.2	45.8				76	19	17	29	59	31	19	9	22

Dew-point. 8 a.m.	Dew-point. 8 p.m.	Dew-point. Monthly. (g)	Relative Humidity. 8 a.m.	Relative Humidity. 8 p.m.	Relative Humidity. Monthly. (g)	Vapor Pressure. 8 a.m.	Vapor Pressure. 8 p.m.	Vapor Pressure. Monthly. (g)	Number of days with—(j) Maximum. 32° or below.	Maximum. 90° or above.	Minimum. 32° or below.	Minimum. Zero or below.
36.1	37.5	36.8	83.0	66.4	74.7	.230	.247	.238	1	0	11	0

Clouds.

Most frequent clouds Cu, St & St Cu

Most frequent direction upper clouds W

Most frequent direction lower clouds NW

WIND.

Total movement (mid. to mid.).	Average hourly velocity.	Prevailing direction. (p)	Maximum velocity. (r)	Direction. (r)	Date. (r)	Number of times wind observed from the— N.	NE.	E.	SE.	S.	SW.	W.	NW.	Calm.
8545	11.5	SW	40	SW	6	3	4	13	5	5	18	1	13	0

WEATHER.

Mean Cloudiness. 8 a.m.	8 p.m.	Monthly. (t)	Sunshine. Percentage of possible.	Number of Days. Clear.	Partly cloudy.	Cloudy.	Number of Days with Precipitation (Mid. to Mid.). Clear. (u)	Partly cloudy. (u)	Cloudy. (u)
65	59	74	53	4	9	18	0	4	12

MISCELLANEOUS PHENOMENA.

Dates of—(Midnight to Midnight).

Frosts. Light.	Heavy.	Killing.	Thunderstorms. (v)	Winds. (40 miles or over.)	Solar Halos.	Lunar Halos.	Fog. Light.	Dense.	Haze. Light.	Dense.	Smoke. Light.	Dense.	Hail.	Aurora.
—	—	—	3, 7, 12, 15, 25, 26, 27	6	15, 16, 17, 21, 23	21	14	13, 14	0	0	0	0	0	0

PRECIPITATION (in inches and hundredths). (m)

Total amount.	Greatest amount in 24 consecutive hours. Amt.	Date. (k)	Excessive. 2.50 inches in 24 hours. (l) * Amt.	Duration. h. m.	Date. (k)	1 inch per hour. (l) Amt.	Duration. h. m.	Date. (k)	Number of days with—(Mid. to Mid.). Trace.	.01 or more.	.04 or more.	.25 or more.	1.00 or more.	Total.	Snow. Trace or more.	.01 or more melted.	Snow. Total depth. (o)	Average depth at end of month.
5.09	1.19	27	0			0			6	16	12	6	1	22	3	0	T	0

(w) Maximum precipitation in 5 minutes —, date —; 10 minutes —, date —; 15 minutes —, date —;

30 minutes —, date —; 1 hour —, date —; 2 hours —, date —.

EXCESSIVE.

Date.	Total Duration. From—	To—	Total amount of precipitation.	Excessive Rate. Began—	Ended—	Amt. before excessive began.	Accumulated Depths During Excessive Rate for Consecutive Periods of Time Indicated Below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Automatic rain gage not in use during the month.																				

* The duration is the time precipitation was actually recorded.

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Prepared by CCS

C. M. Kenworthy, Meteorologist, Weather Bureau.

(9)

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at _____, for the Month of _____, 192

Number of Station barometer, 656; sum of corrections, — .[illegible] inch.

SPECIAL OBSERVATIONS.

Date.	Time. 75th mer.	Time. Local (standard).	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.)	Barometer. Reduced to sea-level.	Thermometers. Dry.	Thermometers. Wet.	Dew-point.	Depression of the dew-point.	Relative humidity.	Maximum thermometer.	Wind. Direction.	Wind. Velocity. †	Wind. Max. since last observation.	Wind. Direction.	Precipitation. ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Special Phenomena.	Initials of Observer.	Date.
2"	1 p.m.	12 Noon	70.0	29.035	.118	28.917	29.84	61.8	51.8	43	19	50	61.8	SW	19	22	SW	0	7	HSt	W	Pt. Cloudy	Ordered by C.O.	[illegible]	2
3	12 Noon	11 a.m.	71.0	29.437	.122	29.315	30.27	43.5	30.8	27	7	74	34.0	NW	12	21	NW	0	10	StCu	NW	Cloudy	Ordered by C.O.	[illegible]	3
8"	1 p.m.	12 Noon	68.5	28.959	.114	28.845	29.75	63.0	58.0	55	8	74	65.8	SW	22	32	S	.02	10	Nb	SW	Lt. Rain	Ordered by C.O.	[illegible]	8
12"	12 Noon	11 a.m.	72.0	29.019	.123	28.896	29.83	49.7	48.7	48	2	93	49.7	E	6			.66	10	Nb	E	Lt. Rain	Ordered by C.O.	[illegible]	12
17"	1 p.m.	12 Noon	70.0	29.082	.118	28.964	29.90	52.0	45.5	39	13	60	52.4	W	15			T	10	Nb	W	Lt. Rain	Ordered by C.O.	[illegible]	17
24"	1 p.m.	12 Noon	71.5	28.746	.120	28.626	29.54	56.3	54.0	53	3	86	56.3	SW	18			.54	10	StCu	S	Cloudy	Ordered by C.O.	[illegible]	24
28"	12 Noon	11 a.m.	71.0	29.583	.122	29.461	30.42	27.8	26.8	25	3	88	30.0	NW	21	24	NW	T	9	StCu	NW	Cloudy	Ordered by C.O.	[illegible]	28

Extremes of Pressure.

22"	10 A.M.	9 A.M.				29.750	30.72	30.0																	22
24"	4 P.M.	3 P.M.				28.520	29.43	58.0																	24

If additional space is required, rule a sheet similar to this, and paste to this margin. † By dial when self-register is out of order. †† T indicates trace of precipitation.

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of MAR, 1921

Wind—Number of Miles and Length of Time From. (Standard of time in local use, 90 meridian.)

DATE.	N.		NE.		E.		SE.		S.		SW.		W.		NW.		CALM.		TOTAL.	
	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.
1							20	3	98	10	37	9	10	2					165	24
2											146	11	118	11	9	2			273	24
3	24	3											37	4	246	17			307	24
4	13	3	9	2	16	4	66	9	49	5	13	1							166	24
5									32	3	364	21							396	24
6	41	6	68	8	8	1					178	9							295	24
7			39	5	104	13	30	5	9	1									182	24
8	44	4							187	9	209	10			10	1			450	24
9	119	12											12	2	102	10			233	24
10									174	14	82	9	4	1					260	24
11									79	13	124	11							203	24
12	5	1	3	1	61	7	8	2	14	3					109	10			200	24
13					45	6	11	3	26	5	8	2	3	1	27	7			120	24
14					170	18	14	4	12	2									196	24
15									86	5	166	13	16	1	77	5			345	24
16	13	1							8	1	41	6			181	16			243	24
17	10	1	32	4					30	3	133	11	32	2	41	3			278	24
18			17	2	57	7	105	15											179	24
19							10	2	45	5	352	17							407	24
20											474	23	21	1					495	24
21	35	4											12	1	255	19			302	24
22	8	1	180	14	100	9													288	24
23					188	24													188	24
24					46	7	9	2	49	4	121	5	146	6					371	24
25							18	3	121	9	128	10	40	2					307	24
26			11	2	16	4	25	3	148	11	32	3			3	1			235	24
27	36	3							130	7	106	8	10	1	65	5			347	24
28	118	9													263	15			381	24
29	19	5	8	2			87	14	28	3									142	24
30							39	6	56	4	189	14							284	24
31	38	3									38	3			231	18			307	24
SUM.	523	56	367	40	811	100	442	71	1381	117	2941	196	461	35	1619	129	0	0	8545	744
PERCENTAGE	6	8	4	5	10	13	5	10	16	16	35	26	5	5	19	17	0	0	a	a
AVG. HOURLY VELOCITY.	9.3	a	9.2	a	8.1	a	6.2	a	11.8	a	15.0	a	13.2	a	12.5	a	0	a	11.5	a

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Form No. 1001—Met'l.

U. S. DEPARTMENT OF AGRICULTURE,

WEATHER BUREAU.

ORIGINAL MONTHLY RECORD

OF

OBSERVATIONS

AT

Fort Wayne, Ind.

For the Month of _____, *192*

*Station is supplied with a barograph, thermograph, sunshine recorder, and self-recording rain gage.

†No. of dry thermometer in use, _____; No. of wet thermometer in use, _____; No. of maximum thermometer in use, _____; No. of minimum thermometer in use, _____

†Elevation above ground of the dry thermometer, _____ feet; rain gage, _____ feet; anemometer, _____ feet.

If the office has been moved during the month, give date _____; amount of change in height of barometer, _____ feet (higher or lower).

No. of extra barometer, 675; sum of corrections, .017; date and observation upon which use of station barometer commenced, May 20, 1911 7 am, station elevation, 856 feet; actual elevation, 856 feet.

Location of office: Number Corner of Berry & Calhoun street, room 4 & 5 & 12 Strong Building; first observation taken in present office, 7:00 a. m. May 20, 1911

*Cancel words that are not appropriate. †To be entered only in December unless changes are made during the year. Changes made during the year will be noted in the appropriate months. 8—154

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at _____, for the Month of _____. 192

Number of Station barometer, 656; sum of corrections, -.009 inch.

OBSERVATIONS AT 8 A. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 A. M. 00" MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; [illegible] A. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Self-reg. ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 a. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.		Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.							
1	68.0	29.437	.114	29.323	30.27	31.8	28.3	23	65	.118	40.0	29.1	NE	7			0	0	0	0	Clear		[illegible]	1
2	68.5	29.257	.115	29.142	30.09	45.0	[illegible]	34	65	.195	47.0	[illegible]	SW	17			0	0	0	0	Clear		[illegible]	2
3	69.0	29.410	.117	29.293	30.23	50.0	46.0	42	74	.266	63.0	47.0	SW	10			0	0	0	0	Clear		[illegible]	3
4	72.0	29.468	.125	29.343	30.27	53.2	46.7	40	61	.247	65.2	49.6	S	8			0	3	Ci	0?	Clear		[illegible]	4
5	74.5	29.466	.131	29.335	30.27	58.0	50.0	43	57	.277	70.0	55.4	S	5			0	6	Ci St	NW	Pt. Cloudy		[illegible]	5
6	75.0	29.387	.133	29.254	30.18	54.3	48.1	42	64	.266	72.8	51.2	S	3			0	0	0	0	Clear		[illegible]	6
7	76.5	29.306	.136	29.170	30.09	61.9	54.1	48	61	.334	73.2	59.9	S	7			0	7	ASt	W	Pt. Cloudy		[illegible]	7
8	74.0	29.079	.128	28.951	29.87	60.7	58.0	56	85	.448	61.2	56.0	S	15			T	10	St Cu	S	Lt. Rain		[illegible]	8
9	69.0	29.212	.116	29.096	30.04	38.3	36.8	35	87	.203	48.0	36.0	SW	4			0	10	St	SW	Cloudy		[illegible]	9
10	66.5	29.423	.110	29.313	30.26	33.2	32.7	32	95	.180	33.3	31.0	N	8			.06	10	Nb	N	Lt. Snow		[illegible]	10
11	66.0	29.629	.109	29.520	30.48	32.0	28.3	22	63	.113	35.0	27.0	W	5			0	0	0	0	Clear		[illegible]	11
12	68.0	29.340	.113	29.227	30.16	39.0	35.0	29	68	.157	42.6	36.1	SW	12			0	7	ASt	NW	Pt. Cloudy		[illegible]	12
13	69.0	29.164	.116	29.048	29.98	52.0	48.3	45	77	.298	55.2	49.9	SW	6			T	10	St. Cu.	SW	Cloudy		P.M.S.	13
14	71.5	29.000	.121	28.879	29.80	54.8	50.3	47	74	.322	64.4	48.0	S	6			.01	10	Nb.	S	Lt. Rain		P.M.S.	14
15	70.0	29.128	.118	29.010	29.94	48.0	47.0	46	93	.310	56.2	47.6	W	9			.04	10	St.	W	Cloudy		[illegible]	15
16	70.5	29.069	.119	28.950	29.88	38.0	37.0	36	91	.211	54.0	38.0	NE	25	28	E	.15	10	Nb	NE	Lt. Rain		[illegible]	16
17	66.0	29.074	.107	28.967	29.92	32.8	31.3	29	85	.157	35.0	32.8	N	10	29	NE	.19	10	St Cu	N	Cloudy		[illegible]	17
18	67.5	29.385	.113	29.272	30.22	35.0	32.0	28	73	.150	35.0	30.7	NW	5			0	0	0	0	Clear		[illegible]	18
19	69.0	29.333	.116	29.217	30.15	41.6	36.1	29	59	.157	53.0	37.2	W	7			0	0	0	0	Clear		[illegible]	19
20	70.0	29.126	.118	29.008	29.94	52.0	46.0	39	58	.237	59.2	42.0	SW	16			0	2	Cu	W	Clear		[illegible]	20
21	70.0	28.944	.118	28.826	29.74	56.9	52.7	50	76	.360	63.3	55.7	S	18			.03	9	St Cu	SW	Cloudy		[illegible]	21
22	70.0	28.884	.118	28.766	29.68	55.8	52.8	51	82	.323	63.4	55.8	SE	17			.04	10	Nb	SE	Lt. Rain		[illegible]	22
23	69.0	28.777	.114	28.663	29.57	48.5	47.2	46	91	.310	61.5	48.5	W	16			.30	10	St	W	Cloudy		[illegible]	23
24	69.0	29.031	.115	28.916	29.84	60.7	54.5	50	67	.360	60.7	56.0	S	12			0	3	ACu	W	Clear		[illegible]	24
25	71.5	29.231	.122	29.109	30.02	64.8	58.0	53	67	.402	73.0	62.6	S	9			0	9	Cu	SW	Cloudy		[illegible]	25
26	72.0	29.197	.124	29.073	29.99	63.2	60.6	59	86	.499	68.2	62.0	S	10			.02	7	ASt	SW	Pt. Cloudy		[illegible]	26
27	73.5	28.990	.127	28.863	29.78	54.2	52.0	50	87	.360	67.0	54.2	SW	24	29	SW	.25	10	St Cu	SW	Cloudy		[illegible]	27
28	70.0	29.287	.119	29.168	30.10	53.0	48.0	43	70	.277	53.0	45.9	S	10			0	2	ASt	SW	Clear		[illegible]	28
29	68.0	29.188	.113	29.075	30.01	49.8	48.3	47	90	.322	50.3	49.0	NE	5			.11	10	St Cu	SW	Cloudy		[illegible]	29
30	66.5	29.290	.109	29.181	30.11	43.8	40.8	38	78	.228	46.3	40.1	NW	9			0	2	ACu	W	Clear		[illegible]	30
31																								31
Sums		(a)	(a)	872.458	900.87	1463.3	1344.9	1232	2249	8.137	(a)	(a)	(a)	314	(a)	(a)	1.20	177	(a)	(a)	(a)		(a)	(a)
Means		(a)	(a)	29.044	30.029	48.8	44.9	41.1	75.0	.271	(a)	(a)	(c) 8	10.5	(a)	(a)	(a)	5.9	U 4 St L 5 St Cu	U W L S W	(a)		(a)	(a)

Reference letters in this form refer to paragraph 121, "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order. †† T indicates trace of precipitation. U, upper clouds. L, lower clouds.

8—154

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at _____, for the Month of _____, 192

Number of Station barometer, 656; sum of corrections, —.009 inch.

OBSERVATIONS AT 8 P. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 P. M. 90th MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; [illegible] P. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Self-reg. ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 p. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Fog, Mid. to Mid. (local standard time). Light. (f)	Fog, Mid. to Mid. (local standard time). Dense. (f)	Initials of observer.	Date.
		In.	—	In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.								
1	71.0	29.340	.121	29.219	30.16	47.0	41.0	34	60	.195	50.8	31.8	SW	6			0	0	0	0	Clear			[illegible]	1
2	71.0	29.330	.121	29.209	30.14	63.0	56.0	51	65	.373	69.0	45.0	SW	9	31	SW	0	1	AST	NW	Clear			[illegible]	2
3	73.0	29.347	.126	29.221	30.14	65.2	54.2	45	48	.298	74.6	50.0	S	11			0	few	AST	W	Clear			[illegible]	3
4	75.0	29.410	.133	29.277	30.21	70.0	57.0	47	44	.322	76.4	53.2	S	5			0	2	AST	W	Clear			[illegible]	4
5	77.0	29.371	.137	29.234	30.15	72.8	55.3	40	31	.247	78.9	58.0	S	4			0	1	Ci St	W	Clear			[illegible]	5
6	78.5	29.315	.141	29.174	30.09	73.2	58.2	47	40	.322	80.9	54.3	S	6			0	1	StCu	S	Clear			[illegible]	6
7	75.5	29.310	.133	29.177	30.10	61.2	59.1	58	88	.482	71.6	60.0	NW	2			.07	10	Nb	SW	Lt. Rain			[illegible]	7
8	73.0	29.068	.125	28.943	29.87	48.0	46.6	45	91	.298	65.6	48.0	NW	8			.49	1 8	AST StCu	W NW	Cloudy			[illegible]	8
9	68.0	29.324	.113	29.211	30.15	33.3	30.0	25	68	.130	44.6	33.3	W	16			.02	9	StCu	W	Cloudy			[illegible]	9
10	67.0	29.582	.111	29.471	30.43	35.0	30.5	23	59	.118	46.0	30.6	N	4			T	2	StCu	N	Clear			[illegible]	10
11	69.0	29.455	.117	29.338	30.29	47.6	40.1	31	51	.172	51.9	22.0	SW	8			0	0	0	0	Clear			[illegible]	11
12	70.0	29.164	.118	29.046	29.99	55.2	46.2	36	49	.211	59.0	39.0	S	7	27	SW	T	2 7	ast. ast.	NW SW	Clear			[illegible]	12
13	70.5	29.122	.119	29.003	29.92	64.4	52.3	42	43	.266	68.8	52.0	S	5			0	1	St.	S	Cloudy			[illegible]	13
14	70.0	28.828	.117	28.711	29.62	56.2	54.0	53	87	.407	61.8	51.0	SW	14			.38	10	StCu.	SW	Cloudy			[illegible]	14
15	71.5	29.228	.122	29.106	30.04	54.0	52.0	50	88	.360	58.0	47.7	E	7			0	5 1	AST St	W E	Pt. Cloudy			[illegible]	15
16	71.0	29.000	.120	28.880	29.83	35.0	34.5	34	95	.135	37.0	35.0	NE	18	29	NE	.06	10	St	NE	Cloudy			[illegible]	16
17	70.0	29.324	.119	29.205	30.14	33.0	31.0	28	80	.150	34.0	30.0	N	5			.07	9	StCu	N	Cloudy			[illegible]	17
18	70.0	29.330	.119	29.211	30.14	53.0	43.4	31	43	.172	56.0	35.0	N	3			0	2	Lt. Haze	—	Clear			[illegible]	18
19	76.0	29.224	.134	29.090	30.03	59.2	49.8	36	42	[illegible]	65.0	41.6	SW	5			0	1	Lt. Haze	—	Clear			[illegible]	19
20	70.0	29.054	.118	28.936	29.86	63.3	53.3	45	51	.298	72.0	53.0	S	12			0	10	St	S	Cloudy			[illegible]	20
21	70.5	28.976	.119	28.857	29.77	63.4	58.9	56	77	.448	68.6	56.9	SW	16	33	SW	.03	10	StCu	SW	Cloudy			[illegible]	21
22	71.5	28.608	.119	28.489	29.39	61.3	57.0	58	87	.482	64.0	54.0	SE	10	29	SW	.22	10	StCu	S	Cloudy			[illegible]	22
23	72.5	29.002	.124	28.878	29.80	60.5	58.0	56	86	.448	63.4	48.5	W	5			0	1 1	Ci St St	W NW	Cloudy			[illegible]	23
24	74.0	29.060	.128	28.932	29.84	73.0	62.0	55	57	.332	80.0	60.7	S	18	31	SW	0	9	Ci St	W	Cloudy			[illegible]	24
25	73.5	29.208	.128	29.080	30.00	66.1	62.9	61	84	.536	78.6	64.8	SE	7			.11	8 2	AST St	W SE	Cloudy			[illegible]	25
26	75.5	29.134	.133	29.001	29.92	65.0	63.0	62	90	.555	78.4	63.2	SE	14	29	S	.12	10	Nb	S	Lt. Rain			[illegible]	26
27	77.0	29.253	.137	29.116	30.05	52.6	48.6	45	75	.275	59.6	[illegible]	SW	15	38	SW	T	few	St	N	Clear			[illegible]	27
28	70.0	29.276	.119	29.157	30.09	50.3	49.1	48	92	.334	65.4	49.0	NE	7			.20	10	Nb	NE	Lt. Rain			[illegible]	28
29	71.0	29.250	.121	29.129	30.06	46.3	43.8	41	82	.256	50.6	40.7	N	5	30	NW	.17	6 2	AST St	NW N	Cloudy			[illegible]	29
30	70.5	29.354	.120	29.234	30.16	50.0	44.6	34	66	.237	57.0	43.8	NW	10	25	NW	0	1	St	NW	Clear			[illegible]	30
31																									31
Sums		(a)	(a)	872.535	900.37	1078.1	1422	1322	2016	9.148	(a)	(a)	(a)	271	(a)	(a)	1.94	160	(a)	(a)	(a)	0	0	(a)	(a)
Means		(a)	(a)	29.084	30.012	55.9	44.7	44.1	67.2	.308	(a)	(a)	(c) 8	9.0	(a)	(a)	(a)	5.3	U AST L JK	U W L	(a)	(a)	(a)	(a)	(a)

Observations are begun about 7.40 o'clock, 75th meridian time.

† By dial when self-register is out of order. †† T indicates trace of precipitation. U, upper clouds. L, lower clouds.

8—15

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at _____, for the Month of _____, 192

Date.	Temperature. Maximum. (b)	Minimum. (b)	Range. (b)	Change. (b)	Mean (max. and min.). (b)	Normal.	Departure.	Total excess or deficiency since 1st of month.	Precipitation. Character.‡	Beginning.	Ending.	Character.‡	Beginning.	Ending.	Character.‡	Beginning.	Ending.	Character.‡	Beginning.	Ending.	Total (mid. to mid.). (b) ††	Normal.	Departure.	Total excess or deficiency since 1st of month.	Hail and sleet unmelted. ___p.m. to ___p.m. *‡‡	Snow unmelted. ___p.m. to ___p.m. *‡‡	Hail, sleet, and snow on ground at ___p.m. *‡‡	Amount of precipitation from melted snow (mid. to mid.).	Date.
	°	°	°	°	°																In.				In.	In.	In.	In.	
1	51	29	22	2	40																0								1
2	69	41	28	15	55																0				0	0			2
3	75	47	28	6	61																0				0	0			3
4	76	50	26	2	63																0				0	0	0	0	4
5	79	55	24	4	67																0				0	0	0	0	5
6	81	51	30	1	66																0				0	0	0	0	6
7	72	59	13	0	66				R	12:20p	3:00p	R	11:45p	2:40p							.07				0	0	0	0	7
8	66	44	22	11	55				R	6:44a	12:15p										.49				0	0	0	0	8
9	45	32	13	17	38				R	9:50a	11:23a	R+S	11:23a	1:20p	Sm	10:15p	Cont'd				.03				0	T	0	.01	9
10	36	30	6	5	33				Sm	Cont'd	10:15a										.05				0	0.9	T	.05	10
11	32	27	25	7	40																0				0	0	0	0	11
12	59	36	23	8	48				R	3:20p	3:22p										T				0	0	0	0	12
13	69	50	19	12	60				R	D.N.A	D.N.A										T				0	0	0	0	13
14	62	48	14	5	55				R	9:45a	8:30a	R	11:30a	4:45p	R	6:25p	6:30p	R	7:10p	8:45p	.43				0	0	0	0	14
																		R	10:15p	Cont'd									
15	58	48	10	2	53				R	---	D.N.A										T				0	0	0	0	15
16	48	33	15	13	40				R	1:35a	12:40p	R	4:00p	6:15p	R	7:10p	Cont'd				.24				0	0	0	0	16
17	34	30	4	8	32				R	Cont'd	1:30a	R+S	1:30a	11:41a	R	1:41a	DNA	Sm	6:50a	3:30p	.23				T	0.9	0	0.9	17
18	56	31	25	12	44																0				0	0	0	0	18
19	65	37	28	7	51																0				0	0	0	0	19
20	72	49	23	9	60				R	8:30p	Cont'd										.03				0	0	0	0	20
21	69	56	13	2	62				R	Cont'd	DNA	R	7:15a	9:25a	R	8:38a	9:45a				.03				0	0	0	0	21
22	64	54	10	3	59				R	DNA	11:15a	R	1:05p	3:10p	R	3:50p	4:40p	R	6:45p	11:15p	.56				0	0	0	0	22
23	63	48	15	3	56				R	6:18a	6:30a										T				0	0	0	0	23
24	80	56	24	12	68																0				0	0	0	0	24
25	78	63	15	2	70				R	1:05p	4:18p	R	8:05p	8:28p							.13				0	0	0	0	25
26	78	63	15	0	70				R	12:55p	1:02p	R	6:25p	7:45p	R	11:26p	Cont'd				.17				0	0	0	0	26
27	66	49	17	12	58				R	Cont'd	6:10a	R	7:28a	7:35a							.29				0	0	0	0	27
28	65	46	19	2	56				R	12:00N	12:09p	R	2:19p	9:30p							.29				0	0	0	0	28
29	51	41	10	10	46				R	DNA	DNA	R	7:07a	7:38a	R	8:20a	3:35p				.13				0	0	0	0	29
30	57	40	17	2	48																0				0	0	0	0	30
31																													31
S	1896	1343	553	194	1670		Total excess or deficiency since January 1,		(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	[illegible]		Total excess or deficiency since January 1,		T	[illegible]	(a)	(a)	(a)
M	63.2	44.8	18.4	6.5	54.0	(a)			(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)			(a)	(a)	(a)	(a)	(a)

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, Sd—dry snow, Sm—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths.

φ Estimated.

SUMMARY FOR THE MONTH OF [illegible], 192[illegible]

The 8 a.m. and 8 p.m. means of pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian time. All other data are in the standard of time in local use.

PRESSURE.

(Correction to reduce to a 24-hour mean .....)

STATION. Mean. 8 a.m.	8 p.m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.	REDUCED. Mean. 8 a.m.	8 p.m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.
29.099	29.084	29.092	29.520	11	28.489	22	1.031	30.029	30.012	30.020	30.48	11	29.39	22	
Corrected mean		29.087						Corrected mean		30.010	3,500-ft			10,000-ft	

TEMPERATURE.

Mean. Dry. 8 a.m.	8 p.m.	(8+8)÷2 (g)	Wet. 8 a.m.	8 p.m.	Monthly. (g)	Max.	Min.	Monthly. (g)	Sea-level. (g)	3,500-ft. (g)	10,000-ft. (g)	Highest. (i)	Date. (i)	Lowest. (i)	Date. (i)	Absolute range.	Greatest daily range. (i)	Date. (i)	Least daily range. (i)	Date. (i)
48.8	55.9	52.4	44.9	49.7	47.3	63.7	44.8	54.0	—	—	—	81	6	27	11	54	30	6		

Dew-point. 8 a.m.	8 p.m.	Monthly. (g)	Relative humidity. 8 a.m.	8 p.m.	Monthly. (g)	Vapor pressure. 8 a.m.	8 p.m.	Monthly. (g)
41.1	44.1	42.6	75.0	67.2	71.1	.271	.308	.290

Number of days with—(j) Maximum. 32° or below.	90° or above.	Minimum. 32° or below.	Zero or below.
0	0	6	0

CLOUDS.

Most frequent clouds St. Cu.

Most frequent direction upper clouds W

Most frequent direction lower clouds SW

WIND.

Total movement (mid. to mid.).	Average hourly velocity.	Prevailing direction. (p)	Maximum velocity. (r)	Direction. (r)	Date. (r)	Number of times wind observed from the— N.	NE.	E.	SE.	S.	SW.	W.	NW.	Calm.
8040	11.2	SW	38	SW	27	6	5	1	4	19	14	6	5	

WEATHER.

Mean cloudiness. 8 a.m.	8 p.m.	Monthly. (t)	Sunshine. Percentage of possible.	Number of days. Clear.	Partly cloudy.	Cloudy.	Number of days with precipitation (mid. to mid.). Clear. (u)	Partly cloudy. (u)	Cloudy. (u)
5.9	5.3	5.8	56	10	4	16	0	3	12

MISCELLANEOUS PHENOMENA.

DATES OF—(MIDNIGHT TO MIDNIGHT).

Frosts. Light.	Heavy.	Killing.	Thunderstorms. (v)	Winds. (40 miles or over.)	Solar halos.	Lunar halos.	Fog. Light.	Dense.	Haze. Light.	Dense.	Smoke. Light.	Dense.	Hail.	Aurora.
19	1	11, 18	25, 26	0	5	0	0	0	18, 19	0	0	0	0	0

PRECIPITATION (in inches and hundredths). (m)

Total amount.	Greatest amount in 24 consecutive hours. Amt.	Date. (k)	Excessive. 2.50 inches in 24 hours. (l) * Amt.	Duration. h. m.	Date. (k)	1 inch per hour. (l) Amt.	Duration. h. m.	Date. (k)	Number of days with—(mid. to mid.). Trace.	.01 or more.	.04 or more.	.25 or more.	1.00 or more.	Total.	Snow. Trace or more.	.01 or more melted.	Snow. Total depth. (o)	Average depth at end of month.
3.14	.056	7-8 also 22	0			0			4	15	12	4	0	19	3	3	1.8	

(w) Maximum precipitation in 5 minutes .08, date 22; 10 minutes .13, date 22; 15 minutes .16, date 22;

30 minutes .20, date 22; 1 hour .23, date 22; 2 hours .31, date 8.

EXCESSIVE.

Date.	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amt. before excessive began.	Accumulated depths during excessive rate for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
					None															

Automatic raingage put in use at 11:56 a.m. of 1st

* The duration is the time precipitation was actually recorded.

8—154

Prepared by [illegible]

[illegible], Weather Bureau.

(6)

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at ....., for the Month of ....., 192

Number of Station barometer, 656; sum of corrections, −.009 inch.

Date.	Time. 75th mer.	Time. Local (standard).	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.)	Barometer. Reduced to sea-level.	Thermometers. Dry.	Thermometers. Wet.	Dew-point.	Depression of the dew-point.	Relative humidity.	Maximum thermometer.	Wind. Direction.	Wind. Velocity. †	Wind. Max. since last observation.	Wind. Direction.	Precipitation. ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Special Phenomena.	Initials of Observer.	Date.
16	12 00 Noon	11 00 a.m.	70.0	29.003	.118	28.885	29.82	38.3	37.3	36	2	91	39.0	NE	26	26	NE	.06	10	Nb	E	Sprinkling	Ordered by C.O.	[illegible]	✓
22	12 00 Noon	11 00 a.m.	70.5	28.776	.118	28.658	29.57	55.7	53.2	52	4	85	55.8	S	15			.21	10	No	S	Lt. Rain	Ordered by C.O.	[illegible]	✓

If additional space is required, rule a sheet similar to this, and paste to this margin. † By dial when self-register is out of order. †† T indicates trace of precipitation.

8—154

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of APR, 192)

Wind—Number of Miles and Length of Time From. (Standard of time in local use, 90 meridian.)

DATE.	N.		NE.		E.		SE.		S.		SW.		W.		NW.		CALM.		TOTAL.	
	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.
1																				
2																				
3																				
4																				
5																				
6																				
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24																				
25																				
26																				
27																				
28																				
29																				
30																				
31																				
SUM.																				
PERCENTAGE																			a	a
AVG. HOURLY VELOCITY		a		a		a		a		a		a		a		a		a		a

5—154

Form No. 1001—Met'l.

U. S. DEPARTMENT OF AGRICULTURE,

WEATHER BUREAU.

ORIGINAL MONTHLY RECORD

OF

OBSERVATIONS

AT

Fort Wayne, Ind.

For the Month of May, *192* 1.

*Station is supplied with a barograph, thermograph, sunshine recorder, and self-recording rain gage.

†No. of dry thermometer in use, ____; No. of wet thermometer in use, ____; No. of maximum thermometer in use, ____; No. of minimum thermometer in use, ____

†Elevation above ground of the dry thermometer, ____ feet; rain gage, ____ feet; anemometer, ____ feet.

If the office has been moved during the month, give date ____; amount of change in height of barometer, ____ feet (higher or lower).

No. of extra barometer, 675; sum of corrections, -.017; date and observation upon which use of station barometer commenced, May 20 1911 7.00 a. m., station elevation, 856 feet; actual elevation, 856 feet.

Location of office: Number Comm of Berry & Pathom street, rooms 911-912 Shaff Bldg; first observation taken in present office, 7:00 a m. May 20, 1911

*Cancel words that are not appropriate. †To be entered only in December unless changes are made during the year. Changes made during the year will be noted in the appropriate months. 8—154

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at _____, for the Month of _____. 192

Number of Station barometer, 656; sum of corrections, −.009 inch.

OBSERVATIONS AT 8 A. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 A. M. 90TH MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; [illegible] A. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Self-reg. ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 a. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.		Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.							
1	66.5	29.388	.110	29.278	30.22	41.2	39.0	36	83	.211	50.0	38.0	N	9			0	0	0	0	Clear		RMSD	1
2	62.0	29.266	.111	29.155	[illegible]	42.0	39.0	35	[illegible]	[illegible]	53.5	39.3	N	[illegible]			0	7 2	ACu St	SW N	Cloudy		[illegible]	2
3	66.0	29.210	.108	29.102	30.04	40.0	39.0	38	92	.228	40.0	38.6	N	8			T	10	St	N	Cloudy		RMSD	3
4	67.0	29.274	.111	29.163	30.09	48.0	47.0	46	93	.310	48.0	42.6	N	10			0	1	St	N	Clear		RMSD	4
5	70.0	29.204	.118	29.086	30.02	53.4	48.9	45	73	.298	60.0	49.9	N	12			0	4	Cu	NE	Pl. Cloudy		RMSD	5
6	70.5	29.292	.120	29.172	30.09	53.0	50.0	47	82	.322	64.0	47.0	N	5			0	Few	St	N	Clear		RMSD	6
7	70.0	29.222	.118	29.104	30.03	52.4	50.0	48	85	.334	60.0	48.0	N	5			0	8	StCu	N	Cloudy		RMSD	7
8	71.0	29.304	.121	29.183	30.10	55.0	52.0	50	82	.360	66.8	47.9	E	4			0	0	0	0	Clear		RMSD	8
9	72.0	29.318	.124	29.194	30.11	57.9	48.1	38	49	.228	66.3	49.0	S	2			0	0	0	0	Clear		RMSD	9
10	73.5	29.170	.128	29.042	29.96	59.5	50.5	44	62	.287	72.0	51.2	E	3			0	8	Cu	W	Cloudy		RMSD	10
11	73.5	28.950	.127	28.823	29.73	54.6	51.2	49	80	.347	69.8	53.0	NE	15			.01	8	StCu	E	Cloudy		RMSD	11
12	72.0	29.010	.123	28.887	29.81	59.7	57.8	57	90	.465	61.4	59.6	SE	3			.08	10	StCu	SE	Cloudy		RMSD	12
13	70.5	29.050	.119	28.931	29.85	60.3	59.0	58	93	.482	61.0	58.0	SW	10			T	10	StCu	SW	Cloudy		RMSD	13
14	69.5	29.280	.117	29.163	30.09	50.2	47.0	44	79	.287	63.0	46.4	W	12			0	8 1	ASt StCu	SW W	Cloudy		RMSD	14
15	65.5	29.388	.107	29.281	30.22	45.5	42.0	38	75	.228	52.0	39.0	W	7			0	6	ACu	W	Pl. Cloudy		[illegible]	15
16	64.5	29.523	.105	29.418	30.36	42.5	39.0	34	74	.195	54.0	36.6	N	4			0	0	0	0	Clear		RMSD	16
17	68.0	29.435	.114	29.321	30.26	52.0	45.0	37	58	.219	56.0	40.9	S	3			0	2	Ci	W	Clear		RMSD	17
18	69.0	29.354	.116	29.238	30.16	60.8	54.3	50	66	.360	67.0	58.6	SW	4			T	9	StCu	SW	Cloudy		RMSD	18
19	72.0	29.390	.125	29.265	30.19	59.9	53.0	51	74	.373	75.0	51.0	E	3			0	Few	ASt	W	Clear		RMSD	19
20	76.0	29.462	.135	29.327	30.25	66.0	59.0	54	66	.417	79.2	59.4	E	3			0	0	0	0	Clear		RMSD	20
21	78.5	29.504	.142	29.362	30.28	67.0	58.5	53	60	.402	82.0	62.9	SW	8			0	0	0	0	Clear		RMSD	21
22	82.0	29.394	.151	29.243	30.15	68.5	63.8	61	78	.536	81.1	65.0	SW	12			0	5	CiSt	W	Pl. Cloudy		RMSD	22
23	82.0	29.272	.150	29.122	30.03	72.0	65.0	61	69	.536	81.2	67.0	SW	12			0	1	ASt	W	Clear		RMSD	23
24	83.0	29.376	.153	29.223	30.14	64.0	64.0	64	100	.595	76.0	64.0	NE	25	28	N	.25	10	Nb	NE	Hy. Rain E		RMSD	24
25	82.0	29.152	.150	29.002	29.91	68.8	66.7	66	90	.638	76.2	66.0	SW	10	26	NW	.22	8	StCu	W	Cloudy		[illegible]	25
26	81.0	29.122	.147	28.975	29.89	69.2	59.2	56	79	.448	78.0	60.8	E	12			0	6 2	ASt StCu	W E	Cloudy		[illegible]	26
27	79.0	29.072	.141	28.931	29.84	68.0	66.5	66	93	.638	69.0	62.0	E	3			T	9	StCu	E	[illegible]		[illegible]	27
28	82.5	29.153	.151	29.002	29.90	71.0	66.8	65	81	.616	81.5	66.2	SW	16			.06	2	Ci	NW	Clear		[illegible]	28
29	79.5	29.273	.144	29.129	30.05	63.2	60.6	59	86	.499	71.0	60.6	N	8			0	8	Cu.	N	Cloudy		[illegible]	29
30	80.5	29.253	.146	29.107	30.02	72.0	66.3	64	74	.595	80.0	64.4	NE	3			0	1	Ci Haze	—	Clear		[illegible]	30
31	84.0	29.256	.156	29.100	30.00	75.0	67.0	63	66	.575	82.0	65.0	SE	4			0	2	Ci	W	Clear		[illegible]	31
Sums	(a)	(a)	(a)	903.329	931.88	1804.2	1677.2	1577	2409	12.232	(a)	(a)	(a)	240	(a)	(a)	.062	147	(a)	(a)	(a)		(a)	(a)
Means	(a)	(a)	(a)	29.140	30.061	58.2	54.1	50.9	77.7	.395	(a)	(a)	(c) N	7.7	(a)	(a)	(a)	4.7	U a s c. L s p e u.	U W L N	(a)		(a)	(a)

Reference letters in this form refer to paragraph 121, "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order. †† T indicates trace of precipitation. U, upper clouds. L, lower clouds.

8—154

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at _____, for the Month of _____, 192 1.

Number of Station barometer, 656; sum of corrections, −.009 inch.

OBSERVATIONS AT 8 P. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 P. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:19 P. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Self-reg. ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 p. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Fog, Mid. to Mid. (local standard time). Light. (f)	Fog, Mid. to Mid. (local standard time). Dense. (f)	Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.								
1	74.0	29.308	.129	29.179	30.17	53.5	47.0	40	62	.247	57.0	44.2	N	9			0	6	StCu	NE	Pt Cloudy				1
2	68.0	29.196	.113	29.083	30.02	39.8	38.3	37	88	.219	45.0	38.9	N	7			.02	10	Nb	N	Lt Rain				2
3	71.5	29.255	.122	29.133	30.07	47.0	45.0	43	86	.277	48.2	40.0	N	12			0	3 4 2	C.St St C.St	NW N N	Pt Cloudy				3
4	71.0	29.207	.121	29.086	30.02	60.0	52.2	45	59	.298	64.6	48.0	N	7			0	3 3	StCu ASt	N NW	Pt. Cloudy				4
5	73.5	29.213	.128	29.085	30.00	69.0	54.0	46	52	.310	68.8	53.4	NE	8			0	3	Cu	N	Pt Cloudy				5
6	71.0	29.181	.121	29.060	29.99	60.0	52.0	45	58	.298	69.0	53.0	NW	5	25	N	.01	8	Cu	NW	Cloudy				6
7	73.0	29.164	.126	29.038	29.96	66.8	53.0	41	39	.256	70.2	51.9	N	4			0	2	Cu	N	Clear				7
8	79.0	29.295	.142	29.153	30.07	66.3	50.8	35	31	.203	68.8	55.0	E	2			0	1	ASt	W	Clear				8
9	75.0	29.195	.132	29.063	29.98	72.0	54.5	39	30	.237	76.1	57.7	SW	4			0	3	C.St	NW	Clear				9
10	74.5	28.974	.129	28.845	29.75	69.8	55.0	43	38	.277	75.9	57.5	E	7			0	10	ASt	E	Cloudy				10
11	74.5	28.923	.129	28.794	29.70	61.4	59.2	58	88	.482	64.7	54.6	E	12			.17	10	St	SE	Cloudy				11
12	72.5	28.990	.124	28.866	29.79	61.0	59.0	58	89	.482	69.0	59.7	S	7			.07	10	Nb	S	Lt Rain				12
13	73.0	29.170	.126	29.044	29.96	63.0	54.0	47	56	.322	68.1	59.7	W	11			.05	few	St	W	Clear				13
14	68.0	29.307	.113	29.194	30.12	52.0	45.0	37	58	.219	58.6	50.2	W	7			0	2	Cu	NW	Clear				14
15	69.0	29.356	.116	29.240	30.17	54.0	43.0	29	38	.157	58.8	45.5	W	9	27	W	0	2	Cu	W	Clear				15
16	69.0	29.424	.117	29.307	30.25	56.0	48.0	40	55	.247	60.6	42.5	N	4			0	1	ASt	NW	Clear				16
17	70.0	29.278	.119	29.159	30.08	67.0	54.0	43	42	.277	70.4	52.0	SW	4			0	1 6	Ci aCu	W NW	Pt Cloudy				17
18	73.0	29.305	.126	29.179	30.10	75.0	60.0	50	41	.360	79.2	60.8	SE	3			T	1	C.St	NW	Clear				18
19	76.5	29.318	.136	29.182	30.10	79.2	63.4	54	41	.417	83.3	59.9	SE	4			0	0	0	0	Clear				19
20	80.5	29.403	.147	29.256	30.17	82.0	65.0	55	40	.432	89.0	66.0	SE	6			0	6	ASt	S	Pt Cloudy				20
21	83.0	29.391	.153	29.238	30.15	81.1	66.0	58	45	.482	87.0	67.0	S	7			0	6	ASt	NW	Pt Cloudy				21
22	84.0	29.232	.155	29.077	29.99	81.2	66.2	58	45	.482	88.2	68.3	SW	9			0	6 2	C.St AST	W W	Pt Cloudy				22
23	85.0	29.224	.158	29.066	29.98	76.0	68.3	65	68	.616	90.0	72.0	SE	5			T	7	St	NW	Cloudy				23
24	84.0	29.147	.155	28.992	[illegible]	73.4	[illegible]	63	74	[illegible]	86.0	60.5	NE	5			.61	9 4	StCu AST	[illegible] W	[illegible]				24
25	83.0	29.064	.151	28.913	29.81	78.0	67.0	61	57	.536	83.0	68.8	N	4			0	2	Cu	NW	Pt Cloudy				25
26	82.0	29.097	.149	28.948	29.86	69.0	65.0	63	81	.575	70.1	63.2	SE	5			T	9	St	SE	Clear				26
27	84.0	29.067	.154	28.913	29.81	81.5	68.0	61	50	.536	88.0	68.0	SW	10			0	3	Cu	W	Clear				27
28	80.5	29.195	.146	29.049	29.96	71.0	64.0	60	69	.517	74.8	67.4	NW	10			.01	4 1	St. Cu.	NW NW	Pt Cloudy				28
29	82.0	29.262	.150	29.112	30.02	80.0	68.0	62	54	.565	82.0	63.2	NE	4			0	1	CtHaze	-	Clear				29
30	87.0	29.224	.163	29.061	29.97	82.0	68.8	63	51	[illegible]	85.7	[illegible]	E				0	few	St	E	Clear				30
31	85.0	29.220	.158	29.062	29.99	79.8	71.0	67	65	.661	87.9	75.0	E	6			0	10	St	NW	Cloudy				31
Sums		(a)	(a)	901.377	929.83	2102.8	1792.3	1568	1750	12.168	(a)	(a)	(a)	201	(a)	(a)	4.94	160	(a)	(a)	(a)	C	O	(a)	(a)
Means		(a)	(a)	29.077	29.995	67.8	57.8	50.6	56.5	.393	(a)	(a)	(c) N	6.5	(a)	(a)	(a)	5.2	U AS L CU	U NW L N	(a)	(a)	(a)	(a)	(a)

Observations are begun about 7.40 o'clock, 75th meridian time.

† By dial when self-register is out of order. †† T indicates trace of precipitation. U, upper clouds. L, lower clouds.

8—154

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Port Weyman, Ind., for the Month of May, 1921.

Date.	Temperature. Maximum. (b)	Minimum. (b)	Range. (b)	Change. (b)	Mean (max. and min.). (b)	Normal.	Departure.	Total excess or deficiency since 1st of month.	Precipitation. Character.‡	Beginning.	Ending.	Character.‡	Beginning.	Ending.	Character.‡	Beginning.	Ending.	Character.‡	Beginning.	Ending.	Total (mid. to mid.). (b) ††	Normal.	Departure.	Total excess or deficiency since 1st of month.	Hail and sleet unmelted. 7 p.m. to 7 p.m. *‡‡	Snow unmelted. 7 p.m. to 7 p.m. *‡‡	Hail, sleet, and snow on ground at 7 p.m. *‡‡	Amount of precipitation from melted snow (mid. to mid.).	Date.
	°	°	°	°	°																In.				In.	In.	In.	In.	
1	57	38	19	0	48																0				0	0	0	0	1
2	45	39	6	6	42				R	3:07p	9:35p										.02				0	0	0	0	2
3	48	39	9	2	44																0				0	0	0	0	3
4	65	43	22	10	54																0				0	0	0	0	4
5	69	50	19	6	60																0				0	0	0	0	5
6	69	47	22	2	58				R	1:09p	2:20p	R	4:37p	4:50p							.01				0	0	0	0	6
7	70	48	22	1	59																0				0	0	0	0	7
8	69	48	21	1	58																0				0	0	0	0	8
9	76	49	27	4	62																0				0	0	0	0	9
10	76	51	25	2	64				R	11:55p	Cont'd										T				0	0	0	0	10
11	65	53	12	5	59				R	Cont'd	DNA	R	10:47a	11:29a	R	11:53a	4:20p				.18				0	0	0	0	11
12	69	58	11	5	64				R	DNA	DNA	R	12:20p	1:50p	R	3:30p	7:10p				.15				0	0	0	0	12
13	68	51	17	4	60				R	9:35a	10:00a										.05				0	0	0	0	13
14	59	46	13	8	52																0				0	0	0	0	14
15	59	39	20	3	49																0				0	0	0	0	15
16	61	37	24	0	49																0				0	0	0	0	16
17	70	41	29	7	56				R	10:25p	DNP.										T				0	0	0	0	17
18	79	57	22	12	68				R	8:20a	8:32a										T				0	0	0	0	18
19	83	51	32	1	67																0				0	0	0	0	19
20	89	59	30	7	74																0				0	0	0	0	20
21	87	63	24	1	75																0				0	0	0	0	21
22	88	65	23	1	76																0				0	0	0	0	22
23	90	66	24	2	78				R	2:10p	2:25p	R	5:50p	6:00p	R	9:35p	Cont'd				.05				0	0	0	0	23
24	86	60	26	5	73				R	Cont'd	DNA	R	6:25a	8:45a	R	6:05p	6:30p	R	10:20p	Cont'd	.92				0	0	0	0	24
25	83	65	18	1	74				R	Cont'd	DNA										.11				0	0	0	0	25
26	70	61	9	8	66				R	9:10a	9:30a	R	7:35p	7:38p							T				0	0			26
27	88	62	26	9	75				R	10:55p	Cont'd										.05				0	0	0	0	27
28	80	65	15	3	72				R	Cont'd	12:50a	R	2:41p	3:30p							.02				0	0	0		28
29	82	61	21	0	72																0				0	0	0		29
30	85	64	21	2	74																0				0	0	0		30
31	88	64	24	2	76				R	7:04p	9:45p										.98				0	0	0	0	31
S	2273	1640	633	120	1958		Total excess or deficiency since January 1,		(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	2.54		Total excess or deficiency since January 1,		0	0	(a)	(a)	(a)
M	73.3	52.9	20.4	3.9	63.2	(a)			(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)			(a)	(a)	(a)	(a)	(a)

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, S^d—dry snow, S^m—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths.

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SUMMARY FOR THE MONTH OF May, 1921

The 8 a.m. and 8 p.m. means of pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian time. All other data are in the standard of time in local use.

PRESSURE.

(Correction to reduce to a 24-hour mean .005)

STATION. Mean. 8 a.m.	8 p.m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.	REDUCED. Mean. 8 a.m.	8 p.m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.
29.140	29.077	29.108	29.430	16	28.750	11	0.680	30.061	29.995	30.028	30.38	16	29.66	11	2
Corrected mean		29.103						Corrected mean		30.023	3,500-ft			10,000-ft	

TEMPERATURE.

Mean. Dry. 8 a.m.	8 p.m.	(8+8)÷2 (g)	Wet. 8 a.m.	8 p.m.	Monthly. (g)	Max.	Min.	Monthly. (g)	Sea-level. (g)	3,500-ft. (g)	10,000-ft. (g)	Highest. (i)	Date. (i)	Lowest. (i)	Date. (i)	Absolute range.	Greatest daily range. (i)	Date. (i)	Least daily range. (i)	Date. (i)
58.2	67.8	63.0	54.1	57.8	56.0	73.3	52.9	63.1				90	23	37	16	53	32	19	6	2

Dew-point. 8 a.m.	8 p.m.	Monthly. (g)	Relative Humidity. 8 a.m.	8 p.m.	Monthly. (g)	Vapor Pressure. 8 a.m.	8 p.m.	Monthly. (g)
50.9	50.6	50.8	77.7	56.5	67.1	395	393	394

Number of days with—(j) Maximum. 32° or below.	90° or above.	Minimum. 32° or below.	Zero or below.
0	1	0	0

Clouds.

Most frequent clouds Cu.

Most frequent direction upper clouds W

Most frequent direction lower clouds W

WIND.

Total movement (mid. to mid.).	Average hourly velocity.	Prevailing direction. (p)	Maximum velocity. (r)	Direction. (r)	Date. (r)	Number of times wind observed from the— N.	NE.	E.	SE.	S.	SW.	W.	NW.	Calm.
6071	8.2	N	30	SW	31	16	6	11	7	4	11	5	2	0

WEATHER.

Mean Cloudiness. 8 a.m.	8 p.m.	Monthly. (t)	Sunshine. Percentage of possible.	Number of Days. Clear.	Partly cloudy.	Cloudy.	Number of Days with Precipitation (Mid. to Mid.). Clear. (u)	Partly cloudy. (u)	Cloudy. (u)
4.7	5.2	5.0	65	10	14	7	1	7	3

MISCELLANEOUS PHENOMENA.

Dates of—(Midnight to Midnight).

Frosts. Light.	Heavy.	Killing.	Thunderstorms. (v)	Winds. (40 miles or over.)	Solar Halos.	Lunar Halos.	Fog. Light.	Dense.	Haze. Light.	Dense.	Smoke. Light.	Dense.	Hail.	Aurora.
1, 15, 16, 17	0	0	6, 12, 23, 24, 25, 27, 28, 31,	0	22, 23	0	0	0	29, 30	0	0	0	0	14

PRECIPITATION (in inches and hundredths). (m)

Total amount.	Greatest amount in 24 consecutive hours. Amt.	Date. (k)	Excessive. .50 inches in 24 hours. (l) * Amt.	Duration. h. m.	Date. (k)	1 inch per hour. (l) Amt.	Duration. h. m.	Date. (k)	Number of days with—(Mid. to Mid.). Trace.	.01 or more.	.04 or more.	.25 or more.	1.00 or more.	Total.	Snow. Trace or more.	.01 or more melted.	Snow. Total depth. (o)	Average depth at end of month.
2.54	1.02	24-25	0			0			4	11	8	2	0	15	0	0	0	0

(w) Maximum precipitation in 5 minutes .28, date 31"; 10 minutes .48, date 31"; 15 minutes .65, date 31";

30 minutes .82, date 31"; 1 hour .89, date 31"; 2 hours .97, date 31".

EXCESSIVE.

Date.	Total Duration. From—	To—	Total amount of precipitation.	Excessive Rate. Began—	Ended—	Amt. before excessive began.	Accumulated Depths During Excessive Rate for Consecutive Periods of Time Indicated Below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
31	7.04 p.m.	9.45 p.m.	0.48	7.11 p.m.	7.36 p.m.	.01	.10	.29	.54	.73	.80									

* The duration is the time precipitation was actually recorded.

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Prepared by [illegible]

[illegible], Weather Bureau.

(9)

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of ....., 1921.

Number of Station barometer, 656; sum of corrections, -.009 inch.

SPECIAL OBSERVATIONS.

Date.	Time. 75th mer.	Time. Local (standard).	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.)	Barometer. Reduced to sea-level.	Thermometers. Dry.	Thermometers. Wet.	Dew-point.	Depression of the dew-point.	Relative humidity.	Maximum thermometer.	Wind. Direction.	Wind. Velocity. †	Wind. Max. since last observation.	Wind. Direction.	Precipitation. ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Special Phenomena.	Initials of Observer.	Date.
11	12 00 Noon	11 00 a.m.	79.0	28.894	.125	28.769	29.68	62.0	58.0	55	7	79	62.2	E	12			.03	10	Nb	E	Lt Rain	Ordered by C.O.	CWS	11
13	12 00 Noon	11 00 a.m.	71.0	29.060	.120	28.940	29.86	61.0	59.0	58	3	89	67.0	W	14	22	SW	.05	5	Cu	W	Pt Cloudy	Ordered by C.O.	PMcD	13
21	12 00 Noon	11 00 a.m.	79.0	29.463	.143	29.320	30.24	82.0	65.8	59	23	42	82.0	SW	10			0	1	ASt	NW	Clear	Ordered by C.O.	CWS	21
									Extremes of pressure.																
11	4 00 pm	3 00 pm				28.750	29.66	64.0																	11
16	8 30 pm	7 30 am				29.430	30.38	44.0																	16

If additional space is required, rule a sheet similar to this, and paste to this margin. † By dial when self-register is out of order. †† T indicates trace of precipitation.

8—154

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of MAY, 192 1

Wind—Number of Miles and Length of Time From. (Standard of time in local use, 90 meridian.)

DATE.	N.		NE.		E.		SE.		S.		SW.		W.		NW.		CALM.		TOTAL.	
	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.
1																				
2																				
3																				
4																				
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28																				
29																				
30																				
31																				
SUM.																				
PERCENTAGE																			a	a
AVG. HOURLY VELOCITY		a		a		a		a		a		a		a		a		a		a

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Form No. 1001—Met'l.

U. S. DEPARTMENT OF AGRICULTURE,

WEATHER BUREAU.

ORIGINAL MONTHLY RECORD

OF

OBSERVATIONS

AT

Fort Wayne, Ind.

For the Month of June, *192* 1.

*Station is supplied with a barograph, thermograph, sunshine recorder, and self-recording rain gage.

†No. of dry thermometer in use, ____; No. of wet thermometer in use, ____; No. of maximum thermometer in use, ____; No. of minimum thermometer in use, ____

†Elevation above ground of the dry thermometer, ____ feet; rain gage, ____ feet; anemometer, ____ feet.

If the office has been moved during the month, give date ____; amount of change in height of barometer, ____ feet (higher or lower).

No. of extra barometer, 675; sum of corrections, -017; date and observation upon which use of station barometer commenced, May 20, 1911 7:00 am, station elevation, 856 feet; actual elevation, 856 feet.

Location of office: Number Corner of Berry & Calhoun street, rooms 911-912 Shoaff Bldg, first observation taken in present office, 7:00 a.m. May 20, 1911

*Cancel words that are not appropriate. †To be entered only in December unless changes are made during the year. Changes made during the year will be noted in the appropriate months. 8—154

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at _____, for the Month of June, 1921.

Number of Station barometer, 6556; sum of corrections, −.009 inch.

OBSERVATIONS AT 8 A. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 A. M. [illegible] MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:12 A. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Self-reg. ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 a. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.		Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.							
1	83.0	29.356	.153	29.203	30.12	59.2	56.0	54	82	.417	79.8	53.6	NE	12	30	SW	.98	10	ASt	NW	Cloudy		[illegible]	1
2	79.0	29.286	.142	29.144	30.06	59.3	56.0	54	82	.417	67.0	53.2	E	5			0	0	0	0	Clear		[illegible]	2
3	81.5	29.263	.149	29.114	30.02	69.5	65	68	95	.684	84.0	[illegible]	SW	4	26	W	.18	7	St-Cu	SW	Pt. Cloudy		[illegible]	3
4	78.0	29.506	.141	29.365	30.29	49.2	45.2	41	74	.256	70.0	46.1	NE	11			0	Few	ASt	NW	Clear		[illegible]	4
5	74.0	29.590	.130	29.460	30.40	48.3	44.2	40	73	.247	62.8	43.0	NE	12			0	0	0	0	Clear		[illegible]	5
6	72.0	29.484	.125	29.359	30.29	55.7	49.2	43	63	.277	64.0	45.6	E	6			0	0	0	0	Clear		[illegible]	6
7	73.5	29.394	.129	29.265	30.19	61.3	53.0	46	58	.310	69.6	55.2	E	4			0	Few	ASt	NW	Clear		[illegible]	7
8	75.0	29.327	.132	29.195	30.12	61.2	56.0	52	73	[illegible]	73.0	59.5	E	[illegible]			0	10	St-Cu	W	Cloudy		[illegible]	8
9	75.5	29.331	.133	29.198	30.12	68.6	64.0	61	78	.536	72.2	62.7	SE	6			0	4	ASt	S	Pt. Cloudy		[illegible]	9
10	79.0	29.299	.142	29.157	30.07	73.0	68.0	66	78	.638	79.6	66.4	S	7			0	4 3	AST Cu	W SW	Pt. Cloudy		[illegible]	10
11	79.0	29.187	.142	29.045	29.95	73.0	69.0	67	82	.661	75.0	70.1	SW	12			0	9	St-Cu	W	Cloudy		[illegible]	11
12	80.0	29.286	.145	29.141	30.05	62.8	63.8	62	81	.555	77.2	62.9	E	5			0	8	Ci-St	W	Cloudy		[illegible]	12
13	80.0	29.172	.145	29.027	29.92	77.0	67.2	62	60	.555	81.6	68.6	W	9			0	1	ASt	NW	Clear		[illegible]	13
14	78.0	29.287	.153	29.134	30.04	65.6	57.0	51	59	.373	80.2	61.0	E	10			0	4	AST	NW	Pt. Cloudy		[illegible]	14
15	80.5	29.310	.146	29.164	30.08	65.0	57.0	51	62	.373	75.1	59.0	SE	4			0	4 5	ACu Cu	NW NW	Cloudy		[illegible]	15
16	79.5	29.280	.144	29.136	30.05	67.7	58.5	52	58	.387	77.2	60.8	SE	3			0	9	AST	W	Cloudy		[illegible]	16
17	81.5	29.241	.149	29.092	29.99	78.0	72.0	69	75	.707	81.2	69.8	W	11			0	Few	Cu	W	Clear		[illegible]	17
18	86.5	29.169	.162	29.007	29.90	79.0	72.0	69	71	.707	87.3	73.8	W	4			0	3	Cu	W	Clear		[illegible]	18
19	85.0	29.080	.157	28.923	29.83	70.6	66.6	65	82	.616	74.4	68.0	NE	7			0	Few	Cu	N	Clear		[illegible]	19
20	83.5	29.165	.154	29.011	29.92	67.0	61.9	59	75	.499	77.0	60.8	E	6			0	3	Lt. Haze	—	Clear		[illegible]	20
21	85.0	29.218	.158	29.060	29.96	76.2	70.8	68	77	.684	84.0	71.0	S	6			0	Few	ASt	N	Clear		[illegible]	21
22	82.0	29.228	.150	29.078	29.99	72.9	70.0	69	87	.707	76.6	62.3	SW	4			.65	7	St	W	Pt. Cloudy		[illegible]	22
23	81.0	29.197	.147	29.050	29.96	72.5	70.0	68	89	.684	73.0	69.9	W	4			T	10	AST	W	Cloudy		[illegible]	23
24	83.0	29.211	.152	29.059	29.96	75.2	66.0	61	62	.536	81.0	69.8	N	4			0	5	Ci-St	W	Pt. Cloudy		[illegible]	24
25	84.0	29.229	.155	29.074	29.97	75.4	69.8	67	76	.661	82.0	68.3	S	4			0	6	ACu	NW?	Pt. Cloudy		[illegible]	25
26	84.0	29.304	.156	29.148	30.06	74.3	71.0	70	85	.732	74.3	67.0	SW	6			.02	1	AST	W	Clear		[illegible]	26
27	85.0	29.241	.158	29.083	29.98	77.2	70.1	67	71	.661	86.4	71.8	SW	10			0	3	Ci-St	W	Clear		[illegible]	27
28	84.0	29.026	.154	28.872	29.76	71.3	69.3	68	90	.684	84.0	69.7	SW	7			.28	10	St	W	Cloudy		[illegible]	28
29	80.5	29.072	.145	28.927	29.83	73.0	69.5	68	84	.684	73.0	68.4	NW	5			0	2	ASt	NW	Clear		[illegible]	29
30	83.0	29.197	.152	29.045	29.93	75.0	69.0	66	74	.638	84.0	68.6	E	5			0	0	0	0	Clear		[illegible]	30
31																								31
Sums		(a)	(a)	873.536	900.81	2059.0	1900.6	1804	2256	16373	(a)	(a)	(a)	199	(a)	(a)	1.57	125	(a)	(a)	(a)		(a)	(a)
Means		(a)	(a)	29.118	30.027	68.6	63.4	60.1	75.2	.542	(a)	(a)	(c) E	6.6	(a)	(a)	(a)	4.2	U AST L Cu.	U NW L W	(a)		(a)	(a)

Reference letters in this form refer to paragraph 121, "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order. †† T indicates trace of precipitation. U, upper clouds. L, lower clouds.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of June, 1921.

Number of Station barometer, 656; sum of corrections, −.009 inch.

OBSERVATIONS AT 8 P. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 P. M. 90° MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 2:19 P. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Self-reg. ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 p. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Fog, Mid. to Mid. (local standard time). Light. (f)	Fog, Mid. to Mid. (local standard time). Dense. (f)	Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.								
1	80.5	29.316	.146	29.170	30.09	67.0	63.0	61	80	.536	72.1	59.2	E	10			0	2 1	C.St ASt	W W	Clear			P.M.O.	1
2	83.0	29.1[illegible]	.152	29.008	29.9[illegible]	84.0	71.5	65	53	.626	89.8	59.3	S	5			0	2 1	A St H.Haze	W —	Clear			[illegible]	2
3	81.0	29.323	.148	29.175	30.10	70.0	64.7	62	76	.535	82.0	69.5	N	10			0	2 2	C.St Cu	W N	Pt. Cloudy			[illegible]	3
4	76.5	29.478	.137	29.341	30.28	62.8	53.9	47	56	.322	66.0	49.2	NE	7			0	0	0	0	Clear			[illegible]	4
5	75.5	29.500	.134	29.366	30.31	64.0	54.0	46	52	.310	67.9	48.3	NE	10			0	2 5	Ci Ci.St	NW NW	Pt. Cloudy			[illegible]	5
6	75.0	29.392	.133	29.259	30.19	69.6	55.2	43	39	.207	73.0	55.7	NE	7			0	4 3	Ci.St Ci.St	W W	Pt. Cloudy			P.M.O.	6
7	76.5	29.300	.136	29.164	30.08	73.0	59.0	49	43	.342	77.0	61.3	E	5			0	1	St	E	Pt. Cloudy			[illegible]	7
8	76.0	29.280	.134	29.146	30.07	72.2	64.7	60	67	.517	76.0	61.2	SE	6			T	5	ASt	NW	Pt. Cloudy			[illegible]	8
9	79.0	29.263	.142	29.121	30.03	77.6	71.0	68	73	.684	85.3	68.6	NE	6			0	6 2	ASt Cu	W NE	Cloudy			P.M.O.	9
10	81.0	29.210	.147	29.063	29.97	75.0	70.0	68	78	.684	87.9	73.0	S	10	30	SW	.04	5 3	ASt StCu	SW S	Cloudy			P.M.O.	10
11	82.5	29.148	.151	28.997	29.90	77.2	73.7	72	85	.783	80.0	69.0	W	7	25	SW	.45	4	Cu	N	Pt. Cloudy			[illegible]	11
12	83.0	29.192	.152	29.040	29.94	81.6	66.6	59	46	.499	85.2	66.8	S	7			0	3	Ci.St	NW	Clear			[illegible]	12
13	86.5	29.196	.162	29.034	29.92	80.2	59.2	43	27	.277	90.4	77.0	NW	11			0	2 4	Ci.St Ci.St	NW W	Clear			P.M.O.	13
14	82.0	29.264	.150	29.114	30.02	75.1	61.0	52	44	.387	79.0	65.6	SE	5			0	4	ASt	W	Cloudy			P.M.O.	14
15	82.0	29.216	.150	29.066	29.98	77.2	61.0	50	38	.360	81.0	65.0	SE	5			0	1	ASt	W	Clear			P.M.O.	15
16	83.0	29.190	.152	29.038	29.94	81.2	66.2	58	45	.482	85.6	67.7	SE	5			T	2	ASt	W	Clear			P.M.O.	16
17	89.0	29.180	.168	29.012	29.90	87.3	73.9	68	53	.684	91.2	78.0	W	7			T	2 1	ASt Cu	NW W	Clear			P.M.O.	17
18	85.5	28.994	.158	28.836	29.73	74.4	72.4	71	91	.757	89.7	67.4	SE	4	44	SW	1.05	7 3 1	ASt Cu Ci.St	0 NE W	Cloudy			P.M.O.	18
19	84.5	29.092	.156	28.936	29.84	77.0	69.0	65	67	.616	84.0	70.6	E	11			0	few	Cu	NE	Clear			[illegible]	19
20	86.5	29.142	.162	28.980	29.88	84.0	71.8	67	53	.661	88.7	67.0	SE	4			0	1 6	ASt ASt	W NW	Clear			P.M.O.	20
21	83.0	29.200	.152	29.048	29.96	76.6	72.1	71	81	.757	89.7	73.8	W	3			.01	2	St	W	Cloudy			[illegible]	21
22	82.0	29.150	.150	29.000	29.90	73.0	70.1	69	87	.723	87.6	70.9	S	22			.34	10 6	StCu ASt	SW W	Cloudy			[illegible]	22
23	84.0	29.180	.155	29.025	29.92	81.0	70.4	65	59	.6[illegible]	89.0	72.5	NW	7			0	2	StCu	NW	Cloudy			[illegible]	23
24	85.0	29.172	.158	29.014	29.90	82.0	69.7	64	54	.595	85.0	75.2	SE	3			0	6 2	ACu ASt	W W	Cloudy			[illegible]	24
25	84.0	29.264	.156	29.108	30.02	70.0	68.0	67	90	.6[illegible]	88.0	68.0	N	8			1.04	3 6	ASt StCu	W S	Clouds & R.			P.M.O.	25
26	86.0	29.255	.161	29.094	29.99	86.4	73.8	68	55	.684	90.8	74.3	SW	5			0	1 2	C.St Cu	NW W	Clear			[illegible]	26
27	87.0	29.072	.162	28.910	29.80	84.0	72.5	68	58	.684	89.6	79.2	SW	9	29	SW	T	6 2	ASt StCu	W S	Cloudy			[illegible]	27
28	81.0	28.956	.146	28.810	29.71	73.0	71.5	71	93	.757	78.2	70.6	W	3			.12	7	ASt	NW	Pt. Cloudy			[illegible]	28
29	85.0	29.091	.157	28.934	29.82	84.0	69.0	61	47	.536	88.9	73.0	N	5			0	4 1	Ci.St ASt	W NW	Pt. Cloudy			[illegible]	29
30	86.0	29.184	.160	29.024	29.91	84.3	72.3	67	56	.661	88.0	75.0	E	5			0	1	St	NE	Clear			P.M.O.	30
31																									31
Sums		(a)	(a)	871.833	899.02	2304.7	2010.7	1845	1848	17.012	(a)	(a)	(a)	199	(a)	(a)	3.05	147	(a)	(a)	(a)	0	0	(a)	(a)
Means		(a)	(a)	29.061	29.967	76.8	67.0	61.5	61.6	.567	(a)	(a)	(c) SE	6.6	(a)	(a)	(a)	4.9	U AST L CU	U W L NE	(a)	(a)	(a)	(a)	(a)

Observations are begun about 7.40 o'clock, 75th meridian time.

† By dial when self-register is out of order. †† T indicates trace of precipitation. U, upper clouds. L, lower clouds.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at _____, for the Month of _____, 192

Date.	Temperature. Maximum. (b)	Minimum. (b)	Range. (b)	Change. (b)	Mean (max. and min.). (b)	Normal.	Departure.	Total excess or deficiency since 1st of month.	Precipitation. Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Total (mid. to mid.). (b) ††	Normal.	Departure.	Total excess or deficiency since 1st of month.	Hail and sleet unmelted. 7 p.m. to 7 p.m. *‡‡	Snow unmelted. 7 p.m. to 7 p.m. *‡‡	Hail, sleet, and snow on ground at 7 p.m. *‡‡	Amount of precipitation from melted snow (mid. to mid.).	Date.
	°	°	°	°	°																In.				In.	In.	In.	In.	
1	72	57	15	12	64																0				0	0	0	0	1
2	90	53	37	8	72				R	10:30p	Cont'd										.07				0	0	0	0	2
3	82	58	24	2	70				R	Cont'd	DNA										.11				0	0	0	0	3
4	66	46	20	14	56																0				0	0	0	0	4
5	68	43	25	0	56																0				0	0	0	0	5
6	73	46	27	4	60																0				0	0	0	0	6
7	77	55	22	6	66																0				0	0	0	0	7
8	76	60	16	2	68				R	7:10a	7:15a										T				0	0	0	0	8
9	85	63	22	6	74																0				0	0	0	0	9
10	88	66	22	3	77				R	1:50p	1:53p	R	2:50p	3:45p	R	4:45p	5:15p				.04				0	0	0	0	10
11	80	69	11	3	74				R	11:52a	11:57a	R	12:30p	1:02p	R	1:54p	2:10p	R	2:35p	3:40p	.45				0	0	0	0	11
12	85	63	22	0	74																0				0	0	0	0	12
13	90	65	25	4	78																0				0	0	0	0	13
14	79	61	18	8	70																0				0	0	0	0	14
15	81	59	22	0	70																0				0	0	0	0	15
16	86	61	23	4	74				R	8:55a	9:03a										T				0	0	0	0	16
17	91	70	21	6	80				R R	11:50a 11:37a	11:57a 11:48a										T				0	0	0	0	17
18	90	67	23	2	78				R	5:00p	6:50p	R	12:50p	1:05p	H H	1:05p	1:15p	R	1:15p	2:10p	1.05				0.1	0	0	0	18
19	84	64	20	4	74																0				0	0	0	0	19
20	89	62	23	1	75																0				0	0	0	0	20
21	90	70	20	5	80				R R	11:55a 8:51p	12:05p 9:25	R	1:00p	1:10p	R	2:17p	3:10p	R	5:20p	5:30p	.06				0	0	0	0	21
22	88	68	20	2	78				R	2:11p	2:41p	R	3:13p	3:22p	R	4:30p	5:50p	R	8:02p	8:05p	.34				0	0	0	0	22
23	89	70	19	2	80																0				0	0	0	0	23
24	85	70	15	2	78																0				0	0	0	0	24
25	88	68	20	0	78				R	5:03p	6:10p	R	6:53p	8:00p							1.06				0	0	0	0	25
26	91	67	24	1	79																0				0	0	0	0	26
27	90	70	20	1	80				R	3:10p	3:24p	H	6:50p	8:14p	R	DNP	Cont'd				.28				0	0	0	0	27
28	78	70	8	6	74				R	Cont'd	DNA	R	12:06p	12:53p	R	2:25p	4:07p				.12				0	0	0	0	28
29	89	68	21	4	78																0				0	0	0	0	29
30	88	69	19	0	78																0				0	0	0	0	30
31																													31
S	2508	1877	631	112	2193		Total excess or deficiency since January 1,		(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	3.58		Total excess or deficiency since January 1,		0.1	0	(a)	(a)	(a)
M	836	626	21.0	37	73.1	(a)			(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)			(a)	(a)	(a)	(a)	(a)

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, S^d—dry snow, S^m—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths.

(8) p Estimated.

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SUMMARY FOR THE MONTH OF June, 192

The 8 a.m. and 8 p.m. means of pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian time. All other data are in the standard of time in local use.

PRESSURE.

(Correction to reduce to a 24-hour mean -.004.)

STATION. Mean. 8 a.m.	8 p.m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.	REDUCED. Mean. 8 a.m.	8 p.m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.
29.118	29.061	29.090	29.470	5	28.790	28	0.680	30.027	29.967	29.997	30.41	5	29.69	28	.72
Corrected mean		29.086						Corrected mean		29.993	3,500-ft			10,000-ft	

TEMPERATURE.

Mean. Dry. 8 a.m.	8 p.m.	(8+8)÷2 (g)	Wet. 8 a.m.	8 p.m.	Monthly. (g)	Max.	Min.	Monthly. (g)	Sea-level. (g)	3,500-ft. (g)	10,000-ft. (g)	Highest. (i)	Date. (i)	Lowest. (i)	Date. (i)	Absolute range.	Greatest daily range. (i)	Date. (i)	Least daily range. (i)	Date. (i)
68.6	76.8	72.7	63.4	67.0	65.2	83.6	62.6	73.1	-	-	-	91	17	43	5	48	37	2	8	28

Dew-point. 8 a.m.	8 p.m.	Monthly. (g)	Relative humidity. 8 a.m.	8 p.m.	Monthly. (g)	Vapor pressure. 8 a.m.	8 p.m.	Monthly. (g)	Number of days with—(j) Maximum. 32° or below.	90° or above.	Minimum. 32° or below.	Zero or below.
60.1	61.5	60.8	75.2	61.6	68.4	.542	.567	.554	0	3	0	0

CLOUDS.

Most frequent clouds: a. St.

Most frequent direction upper clouds: NW

Most frequent direction lower clouds: W

WIND.

Total movement (mid. to mid.).	Average hourly velocity.	Prevailing direction. (p)	Maximum velocity. (r)	Direction. (r)	Date. (r)	Number of times wind observed from the— N.	NE.	E.	SE.	S.	SW.	W.	NW.	Calm.
5356	7.4	E	44	SW	18	4	8	12	10	7	8	8	3	0

WEATHER.

Mean cloudiness. 8 a.m.	8 p.m.	Monthly. (t)	Sunshine. Percentage of possible.	Number of days. Clear.	Partly cloudy.	Cloudy.	Number of days with precipitation (mid. to mid.). Clear. (u)	Partly cloudy. (u)	Cloudy. (u)
4.2	4.9	5.3	76	10	12	8	1	5	4

MISCELLANEOUS PHENOMENA.

Dates of—(midnight to midnight).

Frosts. Light.	Heavy.	Killing.	Thunderstorms. (v)	Winds. (40 miles or over.)	Solar halos.	Lunar halos.	Fog. Light.	Dense.	Haze. Light.	Dense.	Smoke. Light.	Dense.	Hail.	Aurora.
0	0	0	2, 3, 10, 11, 18, 21, 22, 25, 27, 28	18	5, 12, 23	0	0	0	2, 20	0	0	0	18	0

PRECIPITATION (in inches and hundredths). (m)

Total amount.	Greatest amount in 24 consecutive hours. Amt.	Date. (k)	Excessive. 2.50 inches in 24 hours. (l) * Amt.	Duration. h.	m.	Date. (k)	1 inch per hour. (l) Amt.	Duration. h.	m.	Date. (k)	Number of days with—(mid. to mid.). Trace.	.01 or more.	.04 or more.	.25 or more.	1.00 or more.	Total.	Snow. Trace or more.	.01 or more melted.	Snow. Total depth. (o)	Average depth at end of month.
3.58	1.06	25	0				1.00	0	49	18	3	10	10	5	2	13	0	0	0	0
							1.00	0	30	25										

(w) Maximum precipitation in 5 minutes 0.43, date 18"; 10 minutes 0.69, date 18"; 15 minutes 0.85, date 18";

30 minutes 1.00, date 25; 1 hour 1.04, date 25"; 2 hours 1.05, date 25.

EXCESSIVE.

Date.	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amt. before excessive began.	Accumulated depths during excessive rate for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
18	12:55p	2:10p	1.00	1:02p	1:24p	.01	.26	.68	.85	.93	.95									
25	5:03p	6:10p	1.04	5:03p	5:33p	0	.39	.62	.77	.85	.94	1.00								

* The duration is the time precipitation was actually recorded.

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Prepared by C.O.S., P. McDonough Meteorologist, Weather Bureau.

(9)

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at [illegible], for the Month of [illegible], 192[illegible]

Number of Station barometer, 656; sum of corrections, -.009 inch.

Date.	Time. 75th mer.	Time. Local (standard).	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.)	Barometer. Reduced to sea-level.	Thermometers. Dry.	Thermometers. Wet.	Dew-point.	Depression of the dew-point.	Relative humidity.	Maximum thermometer.	Wind. Direction.	Wind. Velocity. †	Wind. Max. since last observation.	Wind. Direction.	Precipitation. ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Special Phenomena.	Initials of Observer.	Date.
							Extremes of Pressure																		
5	11 00 am	10 00 am				29.470	30.41	57.0																	5
28	4 00 pm	3 00 pm				28.790	29.69	72.0																	28

If additional space is required, rule a sheet similar to this, and paste to this margin. † By dial when self-register is out of order. †† T indicates trace of precipitation.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of JUN, 1921

Wind—Number of Miles and Length of Time From. (Standard of time in local use, 90 meridian.)

DATE.	N.		NE.		E.		SE.		S.		SW.		W.		NW.		CALM.		TOTAL.	
	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.
1																				
2																				
3																				
4																				
5																				
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28																				
29																				
30																				
31																				
SUM.																				
PERCENTAGE																			a	a
AVG. HOURLY VELOCITY		a		a		a		a		a		a		a		a		a		a

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Form No. 1001—Met'l.

U. S. DEPARTMENT OF AGRICULTURE,

WEATHER BUREAU.

ORIGINAL MONTHLY RECORD

OF

OBSERVATIONS

AT

Fort Wayne, Ind.

For the Month of July, *192*1.

*Station is supplied with a barograph, thermograph, sunshine recorder, and self-recording rain gage.

†No. of dry thermometer in use, ____; No. of wet thermometer in use, ____; No. of maximum thermometer in use, ____; No. of minimum thermometer in use, ____

†Elevation above ground of the dry thermometer, ____ feet; rain gage, ____ feet; anemometer, ____ feet.

If the office has been moved during the month, give date ____; amount of change in height of barometer, ____ feet (higher or lower).

No. of extra barometer, 675; sum of corrections, -.017; date and observation upon which use of station barometer commenced, May 20 1911 7 a. m., station elevation, 856 feet; actual elevation, 856 feet.

Location of office: Number Corner of Berry & Calhoun street & room 1911-912 Shoaff Bldg; first observation taken in present office, 7 a. m. May 20, 1911

*Cancel words that are not appropriate. †To be entered only in December unless changes are made during the year. Changes made during the year will be noted in the appropriate months. 8—154

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Hayes, Kan., for the Month of July, 192[illegible]

Number of Station barometer, 6516; sum of corrections, -.009 inch.

OBSERVATIONS AT 8 A. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 A. M. 90th MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:12 A. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Self-reg. ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 a. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.		Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.							
1	85.0	29.228	.158	29.070	[illegible]	[illegible]	62	67	76	[illegible]	84.3	68.7	E	[illegible]			0	2	Ci St	NW	Clear		[illegible]	1
2	86.0	29.160	.160	29.000	29.89	79.7	69.2	64	59	.595	87.3	73.0	S.	5			0	4	Cu	S.	Pt. Cloudy		[illegible]	2
3	88.0	29.246	.165	29.081	[illegible]	79.4	75.3	66	64	.638	88.0	72.0	S	[illegible]			0	0	0	0	Clear		[illegible]	3
4	88.0	29.322	.166	29.156	[illegible]	80.0	72.0	69	63	[illegible]	84.0	76.[illegible]	SW	3			0	1	Cu	SW.	Clear		[illegible]	4
5	90.0	29.356	.171	29.185	[illegible]	80.0	[illegible]	71	73	[illegible]	87.2	[illegible]	SE	2			T	3	A St	W	Clear		[illegible]	5
6	92.0	29.360	.177	29.183	30.08	78.0	71.9	69	75	.707	85.8	74.7	NE	5			0	10 Dense	Haze	—	Hazy		P. McD.	6
7	89.5	29.344	.170	29.174	30.07	78.3	73.1	71	78	.757	88.2	73.0	SE	4			0	10 Dense	Haze	—	Hazy		P. McD.	7
8	90.0	29.270	.171	29.099	30.00	76.4	71.3	69	78	.707	88.6	72.0	SW	10			0	10	St Cu	S	Cloudy		P. McD.	8
9	85.0	29.260	.158	29.102	30.01	72.0	68.0	66	82	.638	79.4	68.8	NW	6			0	1	Cu	NW	Clear		P. McD.	9
10	86.0	29.296	.161	29.135	30.04	73.0	67.8	66	77	.638	83.0	68.6	N	5			0	0	0	0	Clear		P. McD.	10
11	85.5	29.382	.160	29.222	30.13	72.0	67.2	65	79	.616	79.2	67.8	NE	5			0	0	0	0	Clear		P. McD.	11
12	86.0	29.400	.161	29.239	30.14	76.7	71.1	68	76	.684	85.5	71.0	NE	3			0	0	0	0	Clear		P. McD.	12
13	87.0	29.318	.163	29.155	30.06	75.0	70.5	68	80	.684	87.2	70.2	NE	4			0	0	0	0	Clear		P. McD.	13
14	87.0	29.168	.163	29.005	29.89	76.0	70.3	68	75	.684	86.0	71.0	S	5			0	0	0	0	Clear		P. McD.	14
15	87.5	29.200	.164	29.036	29.93	74.8	71.0	69	83	.707	82.8	69.8	NE	7			0	1	St Cu	NE	Clear		P. McD.	15
16	84.0	29.358	.156	29.202	30.11	70.0	62.5	58	66	.482	81.2	64.0	NE	5			0	0	0	0	Clear		P. McD.	16
17	85.0	29.312	.158	29.154	30.05	73.0	64.0	59	61	.499	82.8	66.9	S	7			0	1	A Cu	NW	Clear		P. McD.	17
18	87.0	29.248	.163	29.085	29.97	78.0	65.0	58	50	.482	92.0	71.6	SW	9			0	2	A St	NW	Pt. Cloudy		P. McD.	18
19	83.5	29.072	.153	28.919	29.81	74.0	72.0	71	91	.757	90.0	72.6	NW	10			.39	8	Cu	NW	Cloudy		P. McD.	19
20	83.5	29.292	.154	29.138	30.05	66.3	60.8	57	73	.465	79.7	63.8	NE	12			0	1	Cu	N	Clear		P. McD.	20
21	81.5	29.396	.150	29.246	30.17	64.1	57.0	52	65	.387	78.4	59.2	NE	5			0	0	0	0	Clear		P. McD.	21
22	81.5	29.420	.150	29.270	30.19	66.0	58.0	53	62	.402	78.8	58.9	NE	3			0	0	0	0	Clear		P. McD.	22
23	81.5	29.340	.149	29.191	30.10	69.0	60.2	54	60	.417	80.0	64.7	S	5			0	4 Lt.	Haze	—	Clear		P. McD.	23
24	88.0	29.380	.153	29.227	30.13	70.6	62.6	58	64	.482	85.0	68.7	SW	7			0	3	Cu	SW	Clear		P. McD.	24
25	84.0	29.432	.157	29.275	30.19	74.0	67.5	64	72	.595	88.0	70.0	SW	9			0	3	A St	NW	Clear		P. McD.	25
26	84.5	29.442	.158	29.284	30.19	73.2	68.4	66	79	.638	88.0	68.7	SW	9			0	7	Ci St	W	Pt. Cloudy		P. McD.	26
27	85.0	29.310	.158	29.152	30.05	75.5	69.5	66	74	.638	83.0	71.9	SW	14			0	8	Ci St	W	Cloudy		P. McD.	27
28	85.5	29.190	.159	29.031	29.92	79.3	71.2	68	68	.684	89.0	75.2	W	10			.03	2	Ci St	NW	Clear		P. McD.	28
29	86.5	29.162	.162	29.000	29.90	67.4	66.1	66	93	.638	84.7	67.4	N	3			.18	10	Nb	N	Lt. Rain.		P. McD.	29
30	83.5	29.104	.153	28.951	29.85	73.0	69.3	68	83	.684	81.0	68.3	W	6			0	1	Cu.	W	Clear		P. McD.	30
31	85.0	29.242	.158	29.084	29.99	67.5	61.5	58	72	.482	85.2	66.4	NW	13	26	N	.24	2	Ci St	W	Clear		P. McD.	31
Sums		(a)	(a)	903.051	930.99	2286.8	2091.7	1992	2256	18.912	(a)	(a)	(a)	193	(a)	(a)	0.84	75	(a)	(a)	(a)		(a)	(a)
Means		(a)	(a)	29.131	30.032	73.8	67.5	64.3	72.8	.610	(a)	(a)	(c) NE	6.2	(a)	(a)	(a)	2.4	U Cist. L Cu.	U NW L N, S, SW, NW (a)			(a)	(a)

Reference letters in this form refer to paragraph 121, "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order. †† T indicates trace of precipitation. U, upper clouds. L, lower clouds.

8—154

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Port Wayne, Ind., for the Month of July, 192

Number of Station barometer, 656; sum of corrections, −.009 inch.

OBSERVATIONS AT 8 P. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 2:00 P. M. 90th MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 2:19 P. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Self-reg. ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 p. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Fog, Mid. to Mid. (local standard time). Light. (f)	Fog, Mid. to Mid. (local standard time). Dense. (f)	Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.								
1	88.0	29.154	.165	28.989	29.88	87.3	70.3	62	43	.555	90.0	74.6	E	3			0	0	0	0	Clear			[illegible]	1
2	89.0	29.109	.168	28.941	29.83	88.0	70.0	61	41	.536	93.7	79.7	SE	6			0	0	0	0	Clear			[illegible]	2
3	89.5	29.225	.169	29.056	29.95	84.0	70.3	64	51	.595	95.6	79.4	S	10			0	7 2	AST Cu	NW S	Cloudy			[illegible]	3
4	90.0	29.308	.171	29.137	30.05	87.2	75.2	70	58	.732	97.6	80.0	SW	5			0	5 2	AST Cu	NW SW	Pt. Cloudy			[illegible]	4
5	91.0	29.310	.174	29.136	30.03	85.8	75.8	72	63	.783	96.0	80.0	NW	5			0	8	AST	W	Cloudy			[illegible]	5
6	92.0	29.279	.177	29.102	29.99	88.2	72.0	65	46	.616	96.5	78.0	E	2			0	9 1	StCu Hi-Haze	NE —	Cloudy			[illegible]	6
7	91.0	29.234	.173	29.061	29.95	88.6	72.3	65	45	.616	93.5	78.3	SW	9			0	2 6	AST StCu	W SW	Cloudy			[illegible]	7
8	86.0	29.206	.160	29.046	29.95	77.4	71.7	69	76	.707	90.2	72.5	NW	5			.16	9	StCu	NW	Cloudy			[illegible]	8
9	86.0	29.208	.160	29.048	29.94	83.0	70.0	64	52	.595	86.0	72.0	N	5			0	1 2	AST Cu	NW NE	Clear			[illegible]	9
10	87.0	29.308	.163	29.145	30.05	79.2	70.2	66	64	.638	85.4	73.0	E	5			T	5 2	AST Cu	W E	Pt. Cloudy			[illegible]	10
11	86.5	29.337	.162	29.175	30.08	85.5	72.5	66	54	.638	88.8	72.0	NE	6			0	3	AST	NW	Clear			[illegible]	11
12	88.5	29.295	.167	29.128	30.03	87.2	69.8	61	42	.536	91.7	76.7	NE	5			0	2	Ci St	W	Clear			[illegible]	12
13	88.5	29.187	.167	29.020	29.91	86.0	71.0	64	48	.595	90.0	75.0	NE	5			0	3	Ci St	NW	Clear			[illegible]	13
14	87.5	29.104	.164	28.940	29.83	82.8	71.3	66	57	.638	96.8	76.0	NW	4	28	NW	T	9	AST	NW	Cloudy			[illegible]	14
15	86.0	29.258	.161	29.097	30.00	81.2	66.2	58	45	.482	86.0	74.8	NE	9			0	0	0	0	Clear			[illegible]	15
16	85.5	29.290	.160	29.130	30.04	82.8	60.4	43	25	.277	87.7	70.0	E	5			0	4	Ci St	NW	Pt. Cloudy			[illegible]	16
17	90.5	29.250	.173	29.077	29.98	92.0	67.0	52	26	.387	94.6	73.0	NW	2			0	Few	AST	W	Clear			[illegible]	17
18	91.0	29.112	.173	28.939	29.83	90.0	69.0	58	34	.482	96.1	78.0	SW	11			0	10	AST	NW	Cloudy			[illegible]	18
19	87.0	29.174	.163	29.011	29.91	79.7	65.7	58	47	.482	88.0	74.0	NW	10			0	1	AST	NW	Clear			[illegible]	19
20	83.0	29.307	.153	29.154	30.07	78.4	62.4	52	40	.387	81.6	66.3	N	6			0	Few	Cu	N	Clear			[illegible]	20
21	82.0	29.361	.150	29.211	30.13	78.8	59.0	44	29	.287	82.7	64.1	NE	5			0	0	0	0	Clear			[illegible]	21
22	82.5	29.307	.152	29.155	30.07	80.0	61.0	48	32	.334	86.0	66.0	NE	6			0	6	ACu	NW	Pt. Cloudy			[illegible]	22
23	85.0	29.288	.158	29.130	30.04	85.0	66.0	55	36	.432	90.9	69.0	S	3			T	5	ACu	NW	Pt. Cloudy			[illegible]	23
24	89.0	29.336	.163	29.173	30.07	88.0	68.6	52	29	.387	92.0	70.6	SW	5			0	7	Cu	SW	Pt. Cloudy			[illegible]	24
25	86.0	29.378	.161	29.217	30.12	83.0	71.0	65	56	.616	89.8	74.0	S	8			0	7	AST	W	Pt. Cloudy			[illegible]	25
26	86.0	29.332	.161	29.171	30.07	83.0	69.5	63	51	.675	90.0	73.2	SW	10	27	SW	0	6	AST	N	Pt. Cloudy			[illegible]	26
27	89.0	29.196	.168	29.028	29.92	89.0	70.0	60	38	.517	91.8	75.5	SW	16	31	SW	T	3 3	Ci St Cu	NW NW	Pt. Cloudy			[illegible]	27
28	87.5	29.166	.164	29.002	29.89	82.7	66.5	57	43	.465	89.8	79.3	N	7			0	8	AST	NW	Cloudy			[illegible]	28
29	84.0	29.070	.154	28.916	29.82	81.0	69.5	64	56	.595	83.2	67.4	W	5			T	2 1	Ci St Cu	W NW	Clear			[illegible]	29
30	87.0	29.030	.162	28.868	29.76	85.2	69.2	61	45	.536	90.0	73.0	SW	8			0	3	Cu.	NW	Clear			[illegible]	30
31	86.0	29.310	.161	29.149	30.06	74.0	59.0	48	40	.334	76.0	67.1	NW	5			0	1	AST	W	Clear			[illegible]	31
Sums		(a)	(a)	901.352	929.23	2604.0	2119.4	1853	1412	16.355	(a)	(a)	(a)	196	(a)	(a)	0.16	144	(a)	(a)	(a)	0	0	(a)	(a)
Means		(a)	(a)	29.076	29.975	84.0	68.4	59.8	45.5	.578	(a)	(a)	(c) SW	6.3	(a)	(a)	(a)	4.6	U AST L Cu	U NW L NW	(a)	(a)	(a)	(a)	(a)

Observations are begun about 7.40 o'clock, 75th meridian time.

† By dial when self-register is out of order. †† T indicates trace of precipitation. U, upper clouds. L, lower clouds.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of July, 192

Date.	Temperature. Maximum. (b)	Minimum. (b)	Range. (b)	Change. (b)	Mean (max. and min.). (b)	Normal.	Departure.	Total excess or deficiency since 1st of month.	Precipitation. Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Total (mid. to mid.). (b) ††	Normal.	Departure.	Total excess or deficiency since 1st of month.	Hail and sleet unmelted. 7 p.m. to 7 p.m. *‡‡	Snow unmelted. 7 p.m. to 7 p.m. *‡‡	Hail, sleet, and snow on ground at 7 p.m. *‡‡	Amount of precipitation from melted snow (mid. to mid.).	Date.
	°	°	°	°	°																In.				In.	In.	In.	In.	
Friday 1	90	69	21	2	80																0				0	0	0	0	1
2	94	73	21	4	84																0				0	0	0	0	2
3	96	73	23	0	84																0				0	0	0	0	3
4	98	75	23	2	86				R	8:35p	8:40p										T				0	T			4
5	96	74	22	1	85																0				0	0	0	0	5
6	96	75	21	1	86																0				0	0	0	0	6
7	94	73	21	2	84																0				0	0	0	0	7
8	90	72	18	3	81				R	7:12a	7:35a	R	8:50a	8:56a	R	10:19a	10:28a				.16				0	0	0	0	8
9	86	69	17	3	78																0				0	0	0	0	9
10	85	69	16	1	77				R	4:42p	5:13p										T				0	0	0	0	10
11	89	68	21	1	78																0				0	0	0	0	11
12	92	71	21	4	82																0				0	0	0	0	12
13	90	70	20	2	80																0				0	0	0	0	13
14	97	71	26	4	84				R	4:37p	4:57p										T				0	0	0	0	14
15	86	70	16	6	78																0				0	0	0	0	15
16	88	64	24	2	76																0				0	0	0	0	16
17	95	67	28	5	81																0				0	0	0	0	17
18	96	72	24	3	84				R	9:40p	Cont'd										T				0	0	0	0	18
19	88	68	20	6	78				R	Cont'd	5:45a										.39				0	0	0	0	19
20	82	64	18	5	73																0				0	0	0	0	20
21	83	59	24	2	71																0				0	0	0	0	21
22	86	60	26	2	73																0				0	0	0	0	22
23	91	65	26	5	78				R	2:58p	3:05p										T				0	0	0	0	23
24	92	69	23	2	80																0				0	0	0	0	24
25	90	70	20	0	80																0				0	0	0	0	25
26	90	69	21	0	80																0				0	0	0	0	26
27	92	72	20	2	82				R	1:55p	1:56p										T				0	0	0	0	27
28	90	75	15	0	82				R	12:30a	12:50a	R	10:25p	10:43p							.03				0	0	0	0	28
29	83	67	16	7	75				R	12:05a	DNA	R	5:45a	5:08a	R	8:12a	8:19a				.18				0	0	0	0	29
30	80	67	23	3	78				R	9:03p	DNP										.24				0	0	0	0	30
31	76	61	15	10	68																0				0	0	0	0	31
S	2791	2141	650	90	2466		Total excess or deficiency since January 1,		(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	1.00		Total excess or deficiency since January 1,		0	0	(a)	(a)	(a)
M	90.0	69.1	21.0	2.9	79.5	(a)			(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)			(a)	(a)	(a)	(a)	(a)

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, Sd—dry snow, Sm—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths.

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SUMMARY FOR THE MONTH OF _____, 192

The 8 a.m. and 8 p.m. means of pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian time. All other data are in the standard of time in local use.

PRESSURE.

(Correction to reduce to a 24-hour mean -.003.)

STATION. Mean. 8 a.m.	8 p.m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.	REDUCED. Mean. 8 a.m.	8 p.m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.
29.131	29.076	29.104	29.290	26	28.860	30	0.430	30.032	29.975	30.004	30.21	26	29.75	30	0.46
Corrected mean		29.101						Corrected mean		30.001	3,500-ft.			10,000-ft.	

TEMPERATURE.

MEAN. Dry. 8 a.m.	8 p.m.	(8+8)÷2 (g)	Wet. 8 a.m.	8 p.m.	Monthly. (g)	Max.	Min.	Monthly. (g)	Sea-level. (g)	3,500-ft. (g)	10,000-ft. (g)	Highest. (i)	Date. (i)	Lowest. (i)	Date. (i)	Absolute range. (i)	Greatest daily range. (i)	Date. (i)	Least daily range. (i)	Date. (i)
73.8	84.0	78.9	67.5	68.4	68.0	90.0	69.1	79.6				98	4	59	21	39	28	17	15	28

Dew-point. 8 a.m.	8 p.m.	Monthly. (g)	Relative humidity. 8 a.m.	8 p.m.	Monthly. (g)	Vapor pressure. 8 a.m.	8 p.m.	Monthly. (g)
64.3	59.8	62.0	72.8	45.5	59.2	.610	.528	.569

Number of days with—(j) Maximum. 32° or below.	90° or above.	Minimum. 32° or below.	Zero or below.
0	18	0	0

CLOUDS.

Most frequent clouds Cu.

Most frequent direction upper clouds NW

Most frequent direction lower clouds NW

WIND.

Total movement (mid. to mid.).	Average hourly velocity.	Prevailing direction. (p)	Maximum velocity. (r)	Direction. (r)	Date. (r)	Number of times wind observed from the— N.	NE.	E.	SE.	S.	SW.	W.	NW.	Calm.
5095	68	SW	31	SW	27	5	15	5	3	8	14	3	9	0

WEATHER.

Mean Cloudiness. 8 a.m.	8 p.m.	Monthly. (t)	Sunshine. Percentage of possible.	Number of Days. Clear.	Partly cloudy.	Cloudy.	Number of Days with Precipitation (Mid. to Mid.). Clear. (u)	Partly cloudy. (u)	Cloudy. (u)
2.4	4.6	4.3	84	9	20	2	1	2	2

MISCELLANEOUS PHENOMENA.

DATES OF—(MIDNIGHT TO MIDNIGHT).

Frosts. Light.	Heavy.	Killing.	Thunderstorms. (v)	Winds. (40 miles or over.)	Solar Halos.	Lunar Halos.	Fog. Light.	Dense.	Haze. Light.	Dense.	Smoke. Light.	Dense.	Hail.	Aurora.
0	0	0	4, 6, & 28, 30	0	0	0	0	0	6, 7, 23	6, 7	0	0	0	0

PRECIPITATION (in inches and hundredths). (m)

Total amount.	Greatest amount in 24 consecutive hours. Amt.	Date. (k)	Excessive. 2.50 inches in 24 hours. (l) * Amt.	Duration. h. m.	Date. (k)	1 inch per hour. (l) Amt.	Duration. h. m.	Date. (k)	Number of days with—(Mid. to Mid.). Trace.	.01 or more.	.04 or more.	.25 or more.	1.00 or more.	Total.	Snow. Trace or more.	.01 or more melted.	Snow. Total depth. (o)	Average depth at end of month.
1.00	0.39	19	0			0			6	5	4	1	0	11	0	0	0	0

(w) Maximum precipitation in 5 minutes 0.12, date 30"; 10 minutes 0.13, date 30"; 15 minutes 0.14, date 30"; 30 minute 0.22, date 30"; 1 hour 0.24, date 30"; 2 hours 0.28, date 19".

EXCESSIVE.

Date.	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amt. before excessive began.	Accumulated depths during excessive rate for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
						— None —														

* The duration is the time precipitation was actually recorded.

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Prepared by [signature], [signature], Meteorologist, Weather Bureau.

(6)

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of July, 192

Number of Station barometer, 656; sum of corrections, -.009 inch.

SPECIAL OBSERVATIONS.

Date.	Time. 75th mer.	Time. Local (standard).	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.)	Barometer. Reduced to sea-level.	Thermometers. Dry.	Thermometers. Wet.	Dew-point.	Depression of the dew-point.	Relative humidity.	Maximum thermometer.	Wind. Direction.	Wind. Velocity. †	Wind. Max. since last observation.	Wind. Direction.	Precipitation. ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Special Phenomena.	Initials of Observer.	Date.
									- Extremes of Pressure -																
26"	9 00 am	8 00 am				29.290	30.21	79.0																	26"
30"	7 00 pm	6 00 pm				28.860	29.75	88.0																	30"

If additional space is required, rule a sheet similar to this, and paste to this margin. † By dial when self-register is out of order. †† T indicates trace of precipitation.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of JUL, 1921

Wind—Number of Miles and Length of Time From. (Standard of time in local use, 90 meridian.)

DATE.	N.		NE.		E.		SE.		S.		SW.		W.		NW.		CALM.		TOTAL.	
	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.
1																				
2																				
3																				
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28																				
29																				
30																				
31																				
SUM.																				
PERCENTAGE																				
AVG. HOURLY VELOCITY		a		a		a		a		a		a		a		a		a		a

8—154

Form No. 1001—Met'l.

U. S. DEPARTMENT OF AGRICULTURE,

WEATHER BUREAU.

ORIGINAL MONTHLY RECORD

OF

OBSERVATIONS

AT

Fort Wayne, Ind.

For the Month of August, *192*1.

*Station is supplied with a barograph, thermograph, sunshine recorder, and self-recording rain gage.

†No. of dry thermometer in use, ____; No. of wet thermometer in use, 5905 tel from 24" / 7731 from noon 24" ; No. of maximum thermometer in use, ____; No. of minimum thermometer in use, ____

†Elevation above ground of the dry thermometer, ____ feet; rain gage, ____ feet; anemometer, ____ feet.

If the office has been moved during the month, give date ____; amount of change in height of barometer, ____ feet (higher or lower).

No. of extra barometer, 675; sum of corrections, -.017; date and observation upon which use of station barometer commenced, May 20, 1911 7 am, station elevation, 856 feet; actual elevation, 856 feet.

Location of office: Number Corner of Berry & Calhoun street, room 911-912 Shoaff Bldg; first observation taken in present office, 700 a m. May 20, 1911

*Cancel words that are not appropriate. †To be entered only in December unless changes are made during the year. Changes made during the year will be noted in the appropriate months. 8—154

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at [illegible], for the Month of [illegible]. 192[illegible]

Number of Station barometer, 656; sum of corrections, −.009 inch.

OBSERVATIONS AT 8 A. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 A. M. 90TH MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:12 A. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Self-reg. ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 a. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.		Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.							
1	81.0	29.367	.148	29.219	30.14	64.0	56.2	50	62	.360	74.0	59.0	SE	4			0	9	AST	W	Cloudy		CCS	1
2	76.0	29.136	.134	29.002	29.92	59.0	58.0	57	94	.465	64.0	58.4	E	13			1.48	10	Nb	E	Lt. Rain		CCS	2
3	74.0	29.290	.129	29.161	30.08	63.6	60.5	58	84	.482	63.6	62.5	NE	8			.02	7	AST	W	Pt. Cloudy		CCS	3
4	75.0	29.460	.133	29.327	30.25	68.0	62.0	58	72	.482	77.2	60.2	0	0			0	0	0	0	Clear		CCS	4
5	76.5	29.286	.136	29.150	30.06	64.4	60.0	58	72	.482	79.2	61.0	E	5			0	7	AST	SW	Pt. Cloudy		CCS	5
6	79.5	29.097	.143	28.954	29.85	72.6	69.5	68	86	.684	80.0	69.2	S	17			.10	9	St	SW	Cloudy Lt		CCS	6
7	80.0	29.137	.145	28.992	29.90	66.9	59.9	56	67	.448	78.0	63.4	W	6			0	9	AST	W	Cloudy		CCS	7
8	77.0	29.310	.137	29.173	30.09	60.9	55.6	52	72	.387	70.2	55.5	SW	5			0	0	0	0	Clear		CCS	8
9	75.5	29.391	.134	29.257	30.18	63.1	56.0	51	64	.373	72.7	57.6	SW	6			0	Few	Cu	0?	Clear		CCS	9
10	77.0	29.308	.137	29.171	30.09	65.0	57.8	53	65	.402	76.0	61.9	SW	12			0	8	AST	SW	Cloudy		CCS	10
11	79.0	29.263	.142	29.121	30.03	66.9	63.0	61	81	.536	79.1	65.5	SE	6			.13	10	Nb	SE	Lt. Rain		CCS	11
12	76.0	29.390	.135	29.255	30.18	69.6	67.6	67	90	.661	71.0	65.1	N	5			T	10	St	N	Cloudy		CCS	12
13	78.0	29.382	.140	29.242	30.15	69.2	63.6	60	74	.517	79.0	64.0	S	6			0	3 Lt	Haze	—	Clear		CCS	13
14	81.0	29.303	.148	29.155	30.07	62.8	59.0	56	80	.448	81.8	62.8	N	13			.01	9	St	N	Cloudy		CCS	14
15	77.5	29.510	.139	29.371	30.30	59.3	52.7	47	65	.322	67.7	54.0	N	2			0	3	ACu	NW	Clear		CCS	15
16	76.0	29.303	.134	29.169	30.09	61.0	56.0	52	74	.387	70.0	58.6	E	3			0	10	AST	W	Cloudy		CCS	16
17	76.0	29.000	.133	28.867	29.78	71.9	70.8	71	95	.757	73.0	67.1	SW	10			.07	10	St	SW	Cloudy		CCS	17
18	78.0	29.175	.139	29.036	29.94	67.2	64.8	63	88	.575	79.1	64.1	W	10	27	NW	.24	3	St	W	Clear		CCS	18
19	78.0	29.299	.140	29.159	30.08	68.0	62.0	58	72	.482	74.3	61.0	SE	4			0	1	CiSt	NW	Clear		CCS	19
20	80.0	29.235	.145	29.090	30.00	68.0	66.0	65	90	.616	80.8	65.9	SW	9	34	NW	.71	10	StCu	NW	Cloudy		CCS	20
21	77.0	29.544	.138	29.406	30.34	58.2	53.0	49	71	.347	67.5	55.5	NE	9			0	Few	Cu	E	Clear		CCS	21
22	76.0	29.472	.135	29.337	30.27	57.3	51.0	46	65	.310	69.3	51.5	E	6			0	3	AST	NW	Clear		CCS	22
23	73.5	29.382	.129	29.253	30.18	60.0	55.0	51	73	.373	66.2	53.8	E	3			0	7	AST	NW	Pt. Cloudy		CCS	23
24	74.5	29.370	.130	29.240	30.16	57.6	55.0	53	85	.402	73.2	55.5	E	6			0	Few	AST	N	Clear		CCS	24
25	78.0	29.370	.140	29.230	30.15	64.2	60.0	58	78	.482	80.0	61.9	E	5			0	1 Cu 2 Lt. Haze	0? —	Clear		CCS	25
26	79.0	29.338	.142	29.196	30.12	64.2	60.7	58	82	.482	77.2	61.2	E	2			0	3 AST 2 Lt. Smoke	NW E	Pt. Cloudy		CCS	26
27	81.0	29.223	.147	29.076	29.99	68.2	67.2	67	95	.661	81.0	68.2	S	13			.49	10	Nb	W	Lt. Rain		CCS	27
28	80.0	29.330	.145	29.185	30.09	72.6	69.6	69	86	.707	76.4	70.7	SW	9			0	5	Cu	NW	Pt. Cloudy		CCS	28
29	81.0	29.391	.148	29.243	30.15	71.0	66.3	64	78	.595	80.2	68.6	S	6			0	0	0	0	Clear		CCS	29
30	82.5	29.392	.152	29.240	30.15	71.3	66.8	64	79	.595	80.4	68.0	SW	10			0	2	Cu	0?	Clear		CCS	30
31	84.0	29.359	.156	29.203	30.11	72.0	69.0	68	86	.684	82.0	70.6	SW	10			0	7	AST	W	Pt. Cloudy		CCS	31
Sums		(a)	(a)	904.480	932.89	2028	1846	1808	2425	15.504	(a)	(a)	(a)	223	(a)	(a)	3.25	165	(a)	(a)	(a)		(a)	(a)
Means		(a)	(a)	29.177	30.093	65.4	61.1	58.3	78.2	.500	(a)	(a)	(c) E SW	7.2	(a)	(a)	(a)	5.3	U a. St L Cu St.	U W + NW L E	(a)		(a)	(a)

Reference letters in this form refer to paragraph 121, "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order. †† T indicates trace of precipitation. U, upper clouds. L, lower clouds.

8—154

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of August, 1921.

Number of Station barometer, 656; sum of corrections, -.009 inch.

OBSERVATIONS AT 8 P. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 P. M. 90TH MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:19 P. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Self-reg. ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 p. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Fog, Mid. to Mid. (local standard time). Light. (f)	Fog, Mid. to Mid. (local standard time). Dense. (f)	Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.								
1	79.5	29.268	.144	29.124	30.04	64.0	59.0	56	75	.448	79.0	63.2	NE	10			.07	10	Nb	NW	Lt. Rain			P.M.D.	1
2	75.0	29.182	.132	29.050	29.97	62.5	61.5	60	94	.517	62.8	59.0	NE	7			.64	10	Nb	E	Lt. Rain			P.M.D.	2
3	78.0	29.372	.140	29.232	30.15	74.2	61.1	53	47	.402	78.1	63.6	NE	6			0	0	0	0	Clear			P.M.D.	3
4	78.0	29.340	.140	29.200	30.11	77.2	62.7	53	44	.402	83.4	68.0	SE	3			0	4	C.St	NW	Pt. Cloudy			P.M.D.	4
5	80.0	29.132	.145	28.987	29.90	80.0	67.0	54	42	.417	85.4	64.4	SE	5			0	3	Cu	SW	Clear			C.W.S.	5
6	86.0	29.063	.159	28.904	29.80	78.0	63.0	54	43	.417	89.3	72.6	W	6	25	SW	0	1	Cu	SW	Clear			C.W.S.	6
7	81.0	29.150	.147	29.003	29.91	70.2	58.0	49	47	.347	77.2	66.9	NW	9			T	1	Cu	W	Clear			C.W.S.	7
8	77.0	29.337	.137	29.200	30.12	72.7	56.2	43	34	.266	76.1	60.9	NW	4			0	2	ASt	NW	Clear			C.W.S.	8
9	78.0	29.327	.140	29.187	30.11	76.0	61.0	51	42	.373	83.0	63.1	SW	7			0	3	C.St	W	Clear			C.W.S.	9
10	80.0	29.257	.145	29.112	30.02	79.1	65.1	57	47	.465	84.0	65.0	SW	5			0	10	ASt	W	Cloudy			C.W.S.	10
11	76.0	29.280	.134	29.146	30.06	71.0	68.0	67	86	.661	71.4	66.9	SW	4			.11	3 5	ACu StCu	NW SW	Cloudy			C.W.S.	11
12	84.0	29.403	.156	29.247	30.16	79.0	66.0	59	50	.499	83.0	69.6	N	4			0	Few	Cu	NW	Clear			C.W.S.	12
13	81.0	29.218	.148	29.070	29.98	81.8	69.8	64	55	.595	87.5	68.2	SW	6			0	7	ASt	W	Pt. Cloudy			C.W.S.	13
14	86.5	29.402	.163	29.239	30.16	69.7	55.7	46	47	.810	73.0	62.8	N	5			0	2	ASt	NW	Clear			C.W.S.	14
15	76.5	29.361	.136	29.225	30.14	70.0	57.0	47	44	.322	75.6	59.3	SW	2			0	8	AST	NW	Cloudy			C.W.S.	15
16	76.0	29.128	.134	28.994	29.91	73.0	60.5	52	48	.357	76.0	61.0	SE	2			0	9	AST	W	Cloudy			C.W.S.	16
17	80.0	28.954	.134	28.820	29.71	79.1	69.5	65	62	.616	84.8	71.9	SW	18	29	SW	.04	1 2	StCu CuNb	NW NW	Clear			C.W.S.	17
18	80.0	29.253	.145	29.108	30.02	74.3	66.0	62	65	.555	81.0	67.2	NW	6			0	7	AST	NW	Pt. Cloudy			C.W.S.	18
19	83.0	29.175	.152	29.023	29.92	80.8	69.2	64	56	.595	87.8	68.0	SW	12			0	6	AST	W	Pt. Cloudy			C.W.S.	19
20	84.5	29.416	.157	29.259	30.18	67.5	60.5	56	69	.448	78.0	67.5	NW	11			0	2	Cu	NW	Clear			C.W.S.	20
21	78.0	29.436	.141	29.295	30.23	67.3	57.3	50	54	.360	71.5	58.2	NE	5			0	few	AST	o?	Clear			C.W.S.	21
22	74.0	29.356	.129	29.227	30.15	66.2	57.2	51	58	.373	70.0	57.3	E	2			0	8	AST	NW	Cloudy			C.W.S.	22
23	76.0	29.304	.134	29.170	30.09	73.2	60.0	51	46	.373	79.2	60.0	E	6			0	1	AST	NW	Clear			C.W.S.	23
24	80.0	29.316	.145	29.171	30.09	80.0	67.9	62	54	.555	86.0	57.6	SW	2			0	0	0	0	Clear			P.M.D.	24
25	81.0	29.324	.148	29.176	30.10	77.2	70.0	67	70	.661	87.0	64.2	E	7			0	8 1 3	AST Cu NBase	NW NE —	Clear			P.M.D.	25
26	83.0	29.248	.152	29.096	30.01	81.0	75.0	73	76	.810	88.3	64.2	S	6			0	5 5	AST StCu	NW S	Cloudy			P.M.D.	26
27	81.0	29.208	.147	29.061	29.97	76.4	70.9	68	76	.684	81.2	68.2	S	11	26	SW	.04	10	StCu	S	Cloudy			P.M.D.	27
28	83.0	29.306	.153	29.153	30.06	80.2	72.2	69	68	.707	86.1	72.6	SW	6			0	3	Cu	o?	Clear			C.W.S.	28
29	84.5	29.322	.157	29.165	30.07	80.4	70.4	65	61	.616	88.0	71.0	SW	6			0	2	A St	W	Clear			P.M.D.	29
30	86.5	29.330	.162	29.168	30.08	82.0	70.5	65	56	.616	89.3	71.3	W	5			0	1 1	Cu St	W W	Clear			P.M.D.	30
31	86.0	29.296	.161	29.135	30.05	82.7	72.0	67	60	.661	88.6	72.0	W	4			0	2	AST	NW	Clear			P.M.D.	31
Sums		(a)	(a)	902.947	931.27	2324.7	2000.7	1800	1774	15458	(a)	(a)	(a)	192	(a)	(a)	0.80	136	(a)	(a)	(a)	0	0	(a)	(a)
Means		(a)	(a)	29.127	30.041	75.0	64.5	58.1	57.2	.499	(a)	(a)	(c) SW	6.2	(a)	(a)	(a)	4.4	U C.St. L Cu	U NW L NW	(a)	(a)	(a)	(a)	(a)

Observations are begun about 7.40 o'clock, 75th meridian time.

† By dial when self-register is out of order. †† T indicates trace of precipitation. U, upper clouds. L, lower clouds.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at _____, for the Month of _____, 192_

Date.	Temperature. Maximum. (b)	Minimum. (b)	Range. (b)	Change. (b)	Mean (max. and min.). (b)	Normal.	Departure.	Total excess or deficiency since 1st of month.	Precipitation. Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Total (mid. to mid.). (b) ††	Normal.	Departure.	Total excess or deficiency since 1st of month.	Hail and sleet unmelted. 7 p.m. to 7 p.m. *‡‡	Snow unmelted. 7 p.m. to 7 p.m. *‡‡	Hail, sleet, and snow on ground at 7 p.m. *‡‡	Amount of precipitation from melted snow (mid. to mid.).	Date.
	°	°	°	°	68°																In.				In.	In.	In.	In.	
1	79	59	20	1	69				R	9:36a	9:43a	R	5:20p	Cont'd							.40				0	0	0	0	1
2	63	58	5	9	60				R	Cont'd	9:17p.										1.71				0	0	0	0	2
3	78	62	16	10	70																0				0	0	0	0	3
4	83	60	23	2	72																0				0	0	0	0	4
5	85	61	24	1	73																0				0	0	0	0	5
6	87	69	18	5	78				R	5:43a	6:25a										.10				0	0	0	0	6
7	77	62	15	8	70				R	8:00a	8:10a										T				0	0	0	0	7
8	76	56	20	4	66																0				0	0	0	0	8
9	83	58	25	4	70																0				0	0	0	0	9
10	84	62	22	3	73				R	DNP	Cont'd										.01				0	0	0	0	10
11	72	66	6	4	69				R	Cont'd	9:25a	R	10:22a	2:35p							.23				0	0	0	0	11
12	83	65	18	5	74				R	DNA	DNA										T				0	0	0	0	12
13	88	64	24	2	76				R	9:28p	11:10p										T				0	0	0	0	13
14	73	59	14	10	66				R	DNA	DNA										.01				0	0	0	0	14
15	76	54	22	1	65																0				0	0	0	0	15
16	76	59	17	3	68																0				0	0	0	0	16
17	85	67	18	8	76				R	3:00a	3:48a	R	6:10a	6:22a	R	8:23a	8:40a	R	7:20p	7:45p	.35				0	0	0	0	17
18	81	64	17	4	72																0				0	0	0	0	18
19	88	61	27	2	74				R	8:59p	Cont'd										.43				0	0	0	0	19
20	78	60	18	5	69				R	Cont'd	2:59a										.28				0	0	0	0	20
21	72	56	16	5	64																0				0	0	0	0	21
22	70	52	18	3	61																0				0	0	0	0	22
23	79	54	25	5	66																0				0	0	0	0	23
24	86	56	30	5	71																0				0	0	0	0	24
25	87	62	25	3	74																0				0	0	0	0	25
26	88	61	27	0	74																0				0	0	0	0	26
27	81	68	13	0	74				R	DNA	8:10a										.53				0	0	0	0	27
28	86	71	15	4	78																0				0	0	0	0	28
29	88	69	19	0	78																0				0	0	0	0	29
30	89	68	21	0	78																0				0	0	0	0	30
31	89	71	18	2	80																0				0	0	0	0	31
S	2510	1914	596	118	2208		Total excess or deficiency since January 1, _____		(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	4.05		Total excess or deficiency since January 1, _____		0	0	(a)	(a)	(a)
M	81.0	61.7	19.2	3.8	71.2	(a)			(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)			(a)	(a)	(a)	(a)	(a)

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, S^d—dry snow, S^m—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths.

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SUMMARY FOR THE MONTH OF August, 1921

The 8 a.m. and 8 p.m. means of pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian time. All other data are in the standard of time in local use.

PRESSURE.

(Correction to reduce to a 24-hour mean -.004.)

STATION. Mean. 8 a.m.	8 p.m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.	REDUCED. Mean. 8 a.m.	8 p.m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.
29.177	29.127	29.152	29.406	21	28.800	17	0.606	30.093	30.041	30.067	30.34	21	29.69	17	0.65
Corrected mean		29.148						Corrected mean		30.063	3,500-ft.			10,000-ft.	

TEMPERATURE.

Mean. Dry. 8 a.m.	8 p.m.	(8+8)÷2 (g)	Wet. 8 a.m.	8 p.m.	Monthly. (g)	Max.	Min.	Monthly. (g)	Sea-level. (g)	3,500-ft. (g)	10,000-ft. (g)	Highest. (i)	Date. (i)	Lowest. (i)	Date. (i)	Absolute range.	Greatest daily range. (i)	Date. (i)	Least daily range. (i)	Date. (i)
65.4	75.0	70.2	61.1	64.5	62.8	81.0	61.7	71.4				89	30	52	22	37	30	24	5	2

Dew-point. 8 a.m.	8 p.m.	Monthly. (g)	Relative humidity. 8 a.m.	8 p.m.	Monthly. (g)	Vapor pressure. 8 a.m.	8 p.m.	Monthly. (g)
58.3	58.1	58.2	78.2	57.2	67.7	.500	.499	.500

Number of days with—(j) Maximum. 32° or below.	90° or above.	Minimum. 32° or below.	Zero or below.
0	0	0	0

CLOUDS.

Most frequent clouds: Cu. St.

Most frequent direction upper clouds: NW

Most frequent direction lower clouds: NW

WIND.

Total movement (mid. to mid.).	Average hourly velocity.	Prevailing direction. (p)	Maximum velocity. (r)	Direction. (r)	Date. (r)	Number of times wind observed from the— N.	NE.	E.	SE.	S.	SW.	W.	NW.	Calm.
5699	7.7	SW	34	NW	19	5	6	11	6	6	18	5	4	1

WEATHER.

Mean Cloudiness. 8 a.m.	8 p.m.	Monthly. (t)	Sunshine. Percentage of possible.	Number of Days. Clear.	Partly cloudy.	Cloudy.	Number of Days with Precipitation (Mid. to Mid.). Clear. (u)	Partly cloudy. (u)	Cloudy. (u)
5.3	4.4	5.2	68	11	12	8	2	3	5

MISCELLANEOUS PHENOMENA.

DATES OF—(MIDNIGHT TO MIDNIGHT).

Frosts. Light.	Heavy.	Killing.	Thunderstorms. (v)	Winds. (40 miles or over.)	Solar Halos.	Lunar Halos.	Fog. Light.	Dense.	Haze. Light.	Dense.	Smoke. Light.	Dense.	Hail.	Aurora.
0	0	0	6, 17, 19, 20, 27	0	15, 22, 23	0	0	0	13, 25	0	26	0	0	0

PRECIPITATION (in inches and hundredths). (m)

Total amount.	Greatest amount in 24 consecutive hours. Amt.	Date. (k)	Excessive. 2.50 inches in 24 hours. (l) * Amt.	Duration. h. m.	Date. (k)	1 inch per hour. (l) Amt.	Duration. h. m.	Date. (k)	Number of days with—(Mid. to Mid.). Trace.	.01 or more.	.04 or more.	.25 or more.	1.00 or more.	Total.	Snow. Trace or more.	.01 or more melted.	Snow. Total depth. (o)	Average depth at end of month.
4.05	2.06	1-2	0			0			3	10	8	6	1	13	0	0	0	0

(w) Maximum precipitation in 5 minutes 0.20, date 2; 10 minutes 0.28, date 2; 15 minutes 0.32, date 2; 30 minutes 0.40, date 2; 1 hour 0.57, date 2; 2 hours 0.91, date 2.

EXCESSIVE.

Date.	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amt. before excessive began.	Accumulated depths during excessive rate for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
							None.													

* The duration is the time precipitation was actually recorded.

8—154

Prepared by CCS.

P. McDonough, Meteorologist, Weather Bureau.

(9)

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of [illegible], 192[illegible].

Number of Station barometer, 656; sum of corrections, −.009 inch.

Date.	Time. 75th mer.	Time. Local (standard).	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.)	Barometer. Reduced to sea-level.	Thermometers. Dry.	Thermometers. Wet.	Dew-point.	Depression of the dew-point.	Relative humidity.	Maximum thermometer.	Wind. Direction.	Wind. Velocity. †	Wind. Max. since last observation.	Wind. Direction.	Precipitation. ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Special Phenomena.	Initials of Observer.	Date.
								Pressure Extremes																	
17"	6 30 P.M.	5 30 P.M.				28.800	29.69	82.0																	17"

If additional space is required, rule a sheet similar to this, and paste to this margin. † By dial when self-register is out of order. †† T indicates trace of precipitation.

8—154

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of AUG, 192/

Wind—Number of Miles and Length of Time From. (Standard of time in local use, 90 meridian.)

DATE.	N.		NE.		E.		SE.		S.		SW.		W.		NW.		CALM.		TOTAL.	
	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.
1																				
2																				
3																				
4																				
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25																				
26																				
27																				
28																				
29																				
30																				
31																				
SUM.																				
PERCENTAGE																			a	a
AVG. HOURLY VELOCITY		a		a		a		a		a		a		a		a		a		a

8—154

Form No. 1001—Met'l.

U. S. DEPARTMENT OF AGRICULTURE,

WEATHER BUREAU.

ORIGINAL MONTHLY RECORD

OF

OBSERVATIONS

AT

Fort Wayne (Ind.)

For the Month of May, *192*1.

*Station is supplied with a barograph, thermograph, sunshine recorder, and self-recording rain gage.

†No. of dry thermometer in use, ____; No. of wet thermometer in use, ____; No. of maximum thermometer in use, ____; No. of minimum thermometer in use, ____

†Elevation above ground of the dry thermometer, ____ feet; rain gage, ____ feet; anemometer, ____ feet.

If the office has been moved during the month, give date ____; amount of change in height of barometer, ____ feet (higher or lower).

No. of extra barometer, 675; sum of corrections, -.017; date and observation upon which use of station barometer commenced, May 20, 1911 7 a.m., station elevation, 856 feet; actual elevation, 856 feet.

Location of office: Number Corner of Berry & Calhoun street, room 1911-912 Shoaff Bldg.; first observation taken in present office, 7.00 a.m. May 20, 1911

*Cancel words that are not appropriate. †To be entered only in December unless changes are made during the year. Changes made during the year will be noted in the appropriate months. 8—154

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at [illegible], for the Month of September, 1921.

Number of Station barometer, 656; sum of corrections, −.009 inch.

OBSERVATIONS AT 8 A. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 A. M. 90TH MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:19 A. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Self-reg. ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 a. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.		Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.							
1	83.5	29.376	.155	29.221	30.12	73.0	70.0	69	86	.707	82.7	69.7	SW	5			0	1	St	SW	Clear		[illegible]	1
2	84.0	29.332	.156	29.176	30.09	73.8	70.3	69	84	.707	75.0	70.6	SW	8			0	4	Cu	SW	Pt. Cloudy		[illegible]	2
3	82.0	29.232	.150	29.082	29.99	70.2	68.2	67	90	.661	75.0	68.0	SW	7			0	3	A St	NW	Clear		[illegible]	3
4	81.0	29.150	.147	29.003	29.90	71.3	70.3	70	95	.732	76.4	69.8	W	3			.03	10	Nb	W	Lt rain		[illegible]	4
5	81.0	29.146	.147	28.999	29.90	70.2	67.4	66	87	.638	76.8	67.9	NW	9			.58	7	a. St.	W	Pt. Cloudy		[illegible]	5
6	78.0	29.249	.139	29.110	30.03	61.0	56.3	53	75	.402	71.0	59.4	N	6			0	9	a. St.	W	Cloudy		[illegible]	6
7	77.5	29.324	.138	29.186	30.11	61.0	55.1	51	69	.373	71.8	57.0	NE	4			0	0	0	0	Clear		[illegible]	7
8	77.5	29.280	.138	29.142	30.06	59.8	56.3	54	81	.417	73.5	57.2	E	5			0	4	a. St.	NW	Pt. Cloudy		[illegible]	8
9	78.0	29.248	.139	29.109	30.02	66.0	62.4	61	82	.536	78.0	63.0	W	2			0	1	St.	W	Clear		[illegible]	9
10	80.5	29.206	.146	29.060	29.97	69.0	67.2	66	91	.638	80.0	67.2	S	7			T	7	a. St.	W	Pt. Cloudy		[illegible]	10
11	80.0	29.212	.145	29.067	29.98	72.0	69.8	69	90	.707	75.5	68.2	SW	10			0	2 7	a. St. Cu.	W SW	Cloudy		[illegible]	11
12	78.5	29.434	.142	29.292	30.22	61.6	60.0	59	91	.499	71.7	57.0	NW	2			0	0	0	0	Clear		[illegible]	12
13	77.0	29.512	.138	29.374	30.30	59.0	55.0	52	78	.387	72.0	56.8	NE	6			0	8	a. cu.	W	Cloudy		[illegible]	13
14	77.5	29.318	.138	29.180	30.10	64.7	60.0	57	77	.465	70.6	60.9	SE	3			T	10	St. cu.	SW	Cloudy		[illegible]	14
15	76.0	29.358	.134	29.224	30.14	61.0	60.5	60	97	.517	74.0	58.9	N	6			0	10	Dense fog	NW	Foggy		[illegible]	15
16	75.0	29.344	.132	29.212	30.13	63.6	61.8	61	91	.536	71.0	61.3	E	7			0	6 2	a. St. St.	W E	Cloudy		[illegible]	16
17	74.0	29.096	.128	28.968	29.88	72.5	70.0	68	89	.684	72.5	67.4	SW	13			.03	4 3	a. cu. St. cu.	W SW	Pt. Cloudy		[illegible]	17
18	75.0	29.324	.132	29.192	30.11	57.6	54.0	51	79	.373	73.0	55.8	W	6			0	6 1	Ci. St. a. St.	N W	Pt. Cloudy		[illegible]	18
19	73.0	29.491	.127	29.364	30.29	52.7	50.6	48	87	.334	63.0	49.8	E	9			0	1	a. St.	W	Clear		[illegible]	19
20	72.0	29.264	.124	29.140	30.06	65.6	62.0	60	82	.577	67.8	60.4	S	8			0	8 2	A St St Cu	W S	Cloudy		[illegible]	20
21	76.0	29.002	.133	28.869	29.77	65.2	64.2	63	95	.575	80.0	64.6	SW	7			.30	8	St Cu	SW	Cloudy		[illegible]	21
22	72.5	29.236	.125	29.111	30.03	60.3	55.1	51	72	.373	67.0	58.0	SW	13			0	0	0	0	Clear		[illegible]	22
23	74.5	29.352	.130	29.222	30.14	59.0	56.0	54	83	.417	73.3	57.2	N	4			0	0	0	0	Clear		[illegible]	23
24	74.5	29.292	.130	29.162	30.08	64.0	60.5	58	82	.482	71.8	59.6	SW	7			0	4	Ci. St	W	Pt. Cloudy		[illegible]	24
25	76.0	29.173	.134	29.039	29.96	61.0	57.0	54	79	.417	73.6	61.0	NW	12	25	NW	.26	10	St Cu	NW	Cloudy		[illegible]	25
26	73.0	29.423	.127	29.296	30.24	51.3	48.8	46	84	.310	59.0	46.0	N	14			0	0	0	0	Clear		[illegible]	26
27	71.0	29.170	.121	29.049	29.97	57.0	56.2	55	95	.432	63.0	53.0	SW	5			T	10	Nb	SW	Lt. Rain		[illegible]	27
28	72.0	29.100	.123	28.977	29.90	62.6	60.8	60	91	.517	66.8	60.8	SW	5			0	3	A St	NW	Clear		[illegible]	28
29	73.0	29.072	.125	28.947	29.86	68.8	65.8	64	86	.595	72.4	66.9	S	10			0	1	Cu.	S	Clear		[illegible]	29
30	78.0	28.992	.138	28.854	29.76	53.0	50.5	48	85	.334	77.0	53.0	W	15	34	W	.36	10	St. cu.	NW	Cloudy		[illegible]	30
31																								31
Sums		(a)	(a)	873.627	901.11	1907.8	1822.1	1764	2553	15.282	(a)	(a)	(a)	206	(a)	(a)	1.56	149	(a)	(a)	(a)		(a)	(a)
Means		(a)	(a)	29.121	30.037	63.6	60.7	58.8	85.1	.509	(a)	(a)	(c) SW	6.9	(a)	(a)	(a)	5.0	U a. St. L St. cu.	U W L SW	(a)		(a)	(a)

Reference letters in this form refer to paragraph 121, "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order.

†† T indicates trace of precipitation.

U, upper clouds. L, lower clouds.

8—154

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of September, 1921.

Number of Station barometer, 656; sum of corrections, −.009 inch.

OBSERVATIONS AT 8 P. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7.00 P. M. 90° MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:19 P. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Self-reg. ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 p. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Fog, Mid. to Mid. (local standard time). Light. (f)	Fog, Mid. to Mid. (local standard time). Dense. (f)	Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.								
1	85.0	29.317	.158	29.159	30.07	75.0	70.5	68	80	.684	89.2	73.0	SW	5			T	8	AST	W	Cloudy			CCS	1
2	84.0	29.232	.155	29.077	29.99	74.0	71.0	70	86	.732	88.0	67.0	S	6	31	SW	.34	9	AST	NW	Cloudy			CCS	2
3	81.0	29.130	.147	28.983	29.88	76.4	71.9	70	80	.732	81.9	70.2	SW	4			0	7	Cu.	NW	Pt. Cloudy			C.C.S.	3
4	83.0	29.088	.152	28.936	29.84	76.8	72.2	71	80	.757	83.3	71.3	SW	6			T	5	Cu	SW	Pt. Cloudy			P.M.Q.	4
5	80.5	29.168	.146	29.022	29.93	71.0	66.5	64	79	.595	80.0	70.2	NW	4			0	6	a.st.	NW	Pt. Cloudy			P.M.Q.	5
6	81.0	29.220	.147	29.073	29.99	71.8	60.8	54	53	.417	78.0	61.0	N	5			0	0	0	0	Clear			P.M.Q.	6
7	79.5	29.272	.144	29.128	30.05	73.5	61.0	53	48	.402	80.0	61.0	E	5			0	0	0	0	Clear			P.M.Q.	7
8	80.0	29.222	.145	29.077	29.99	78.0	66.9	61	57	.536	84.0	59.8	S	4			0	7 1	a.st. Cu.	W SW	Cloudy			P.M.Q.	8
9	82.0	29.180	.150	29.030	29.93	80.0	69.0	64	57	.595	84.8	66.0	SW	2			0	6 2	a.st. St.	W SW	Cloudy			P.M.Q.	9
10	81.0	29.161	.147	29.014	29.92	75.5	72.3	71	86	.757	81.6	69.0	W	7			.23	3	Cu.	W	Clear			P.M.Q.	10
11	80.5	29.286	.146	29.140	30.05	71.7	66.2	64	75	.595	78.7	67.0	N	6			.27	4	a.st.	W	Pt. Cloudy			P.M.Q.	11
12	78.5	29.428	.142	29.286	30.22	72.0	62.8	58	60	.482	79.2	61.6	N	3			0	2	a.st.	W	Clear			P.M.Q.	12
13	77.5	29.380	.139	29.241	30.16	70.6	62.0	57	62	.465	78.0	59.0	E	6			0	1	a.st.	W	Clear			P.M.Q.	13
14	77.0	29.280	.137	29.143	30.05	74.0	70.0	68	82	.684	80.0	64.7	NW	8			.04	8	Cu.	NW	Cloudy			P.M.Q.	14
15	76.5	29.292	.136	29.156	30.08	71.0	66.0	63	77	.575	75.6	61.0	NE	2			0	6	a.st.	W	Pt. Cloudy		S.D.N.a E 7.45 a	P.M.Q.	15
16	74.0	29.188	.129	29.059	29.98	68.5	66.8	66	92	.638	68.9	63.6	SE	8			.21	4	a.st.	SW	Pt. Cloudy			P.M.Q.	16
17	77.5	29.170	.138	29.032	29.93	73.0	54.0	36	26	.211	85.0	67.0	W	8	27	NW	.23	3 2	a.cu. a.st.	W W	Pt. Cloudy			P.M.Q.	17
18	76.0	29.400	.135	29.265	30.19	63.0	58.0	55	74	.432	71.0	57.6	NW	7			0	2	a.st.	W	Clear			P.M.Q.	18
19	72.5	29.360	.125	29.235	30.16	67.8	60.3	56	65	.448	69.6	52.7	SE	4			T	10	St	SE	Cloudy			P.M.Q.	19
20	75.0	29.150	.132	29.018	29.92	80.0	73.0	70	72	.732	85.0	65.6	SE	8			0	9	Cu	NW	Cloudy			CCS	20
21	75.5	29.169	.133	29.036	29.96	67.0	57.0	50	54	.360	74.8	65.2	SW	9	29	W	T	0	0	0	Clear			CCS	21
22	75.5	29.185	.133	29.052	29.97	73.3	62.3	55	54	.432	81.3	60.3	SW	14	35	SW	0	0	0	0	Clear			CCS	22
23	75.0	29.340	.132	29.208	30.13	71.8	62.2	56	58	.448	78.6	59.0	SE	5			0	4	AST	NW	Pt. Cloudy			CCS	23
24	76.5	29.144	.135	29.009	29.92	73.6	68.8	67	79	.661	82.1	64.0	SW	7			T	10	St	SW	Cloudy			CCS	24
25	76.0	29.354	.134	29.220	30.14	59.0	53.0	48	68	.334	68.2	59.0	NW	7			0	0	0	0	Clear			P.M.Q.	25
26	72.0	29.247	.124	29.123	30.05	63.0	54.7	48	59	.334	69.4	57.3	SE	4			0	3	AST	SW	Clear			CCS	26
27	72.5	29.036	.124	28.912	29.83	66.8	62.0	59	77	.499	73.8	57.0	SW	10			T	4	AST	W	Pt. Cloudy			CCS	27
28	73.0	29.060	.125	28.935	29.85	70.8	67.8	67	86	.661	73.3	62.6	SE	6			0	9	StCu	W	Cloudy			CCS	28
29	78.0	28.900	.138	28.762	29.65	77.0	70.0	67	71	.661	85.2	68.8	S	13	27	SW	0	3	AST	W	Clear			CCS	29
30	72.0	29.150	.124	29.026	29.96	56.0	50.0	45	66	.298	62.2	53.0	W	9	27	NW	0	0	0	0	Clear			CCS	30
31																									31
Sums	(a)	(a)	(a)	872.357	899.79	2141.9	1928.8	1801	2063	16157	(a)	(a)	(a)	192	(a)	(a)	1.32	138	(a)	(a)	(a)	0	1	(a)	(a)
Means	(a)	(a)	(a)	29.079	29.993	71.4	64.3	60.0	68.8	.539	(a)	(a)	(c) SW	6.4	(a)	(a)	(a)	4.6	U A.St. L Cu	U W L SW	(a)	(a)	(a)	(a)	(a)

Observations are begun about 7.40 o'clock, 75th meridian time.

† By dial when self-register is out of order. †† T indicates trace of precipitation. U, upper clouds. L, lower clouds.

8—154

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at _____, for the Month of _____, 1921.

Date.	Temperature. Maximum. (b)	Minimum. (b)	Range. (b)	Change. (b)	Mean (max. and min.). (b)	Normal.	Departure.	Total excess or deficiency since 1st of month.	Precipitation. Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Total (mid. to mid.). (b) ††	Normal.	Departure.	Total excess or deficiency since 1st of month.	Hail and sleet unmelted. 7 p.m. to 7 p.m. *‡‡	Snow unmelted. 7 p.m. to 7 p.m. *‡‡	Hail, sleet, and snow on ground at 7 p.m. *‡‡	Amount of precipitation from melted snow (mid. to mid.).	Date.	
	°	°	°	°	°																In.				In.	In.	In.	In.		
Thursday 1	89	70	19	0	80				R	5:27p	5:43p										T				0	0	0	0	1	R
2	88	67	21	2	78				R	2:55p	3:30p										.34				0	0	0	0	2	R
3	82	68	14	3	75				R	10:17p	cont'd										T				0	0	0	0	3	
4	83	70	13	1	76				R	6:20a	H. N.a 7:30a	R	10:50p	cont'd							.61				0	0	0	0	4	R
5	80	62	18	5	71				R	---	D.N.a										T				0	0	0	0	5	
6	78	59	19	3	68																0				0	0	0	0	6	
7	80	57	23	0	68																0				0	0	0	0	7	
8	84	57	27	2	70																0				0	0	0	0	8	
9	85	63	22	4	74				R	11:25p	D.N.p.										T				0	0	0	0	9	
10	82	67	15	0	74				R	10:12a	10:20a	R	11:04a	11:30a	R	11:48a	11:55a	R	4:35p	5:30p	.23				0	0	0	0	10	R R
11	79	64	15	2	72				R	8:28a	10:50a										.27				0	0	0	0	11	R
12	79	57	22	4	68																0				0	0	0	0	12	
13	78	57	21	0	68																0				0	0	0	0	13	
14	80	61	19	2	70				R	D.N.a	D.N.a	R	8:00a	9:55a							.04				0	0	0	0	14	
15	76	59	17	2	68																0				0	0	0	0	15	
16	69	61	8	3	65				R	11:20a	4:20p	R	5:05p	5:20p							.21				0	0	0	0	16	
17	85	62	23	9	74				R	5:35a	5:56a	R	12:30p	12:54p							.26				0	0	0	0	17	R R
18	71	54	17	12	62																0				0	0	0	0	18	
19	70	50	20	2	60				R	3:08p	3:40p										T				0	0	0	0	19	
20	85	60	25	12	72																0				0	0	0	0	20	
21	75	60	15	4	68				R	5:10a	6:20a	R	7:04a	8:20a							.30				0	0	0	0	21	R
22	81	58	23	2	70																0				0	0	0	0	22	
23	79	57	22	2	68																0				0	0	0	0	23	
24	82	60	22	3	71				R	5:13p	5:22p	R	8:32p	Cont'd							.18				0	0	0	0	24	R
25	68	52	16	11	60				R	Cont'd	DNA										.08				0	0	0	0	25	
26	69	46	23	2	58																0				0	0	0	0	26	
27	74	53	21	6	64				R	6:10a	8:43a										T				0	0	0	0	27	
28	73	61	12	3	67																0				0	0	0	0	28	
29	85	63	22	7	74				R	10:48p	Cont'd										.15				0	0	0	0	29	R
30	64	49	15	18	56				R	Cont'd	DNA										.21				0	0	0	0	30	
31																													31	
S	2353	1784	569	126	2069		Total excess or deficiency since January 1,		(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	288		Total excess or deficiency since January 1,		0	0	(a)	(a)	(a)	
M	78.4	59.5	19.0	4.2	69.0	(a)			(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)			(a)	(a)	(a)	(a)	(a)	

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, Sd—dry snow, Sm—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths.

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SUMMARY FOR THE MONTH OF _____, 192

The 8 a.m. and 8 p.m. means of pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian time. All other data are in the standard of time in local use.

PRESSURE.

(Correction to reduce to a 24-hour mean -.005.)

STATION.								REDUCED.							
Mean.			Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.	Mean.			Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.
8 a.m.	8 p.m.	Monthly. (g)						8 a.m.	8 p.m.	Monthly. (g)					
29.121	29.079	29.100	29.390	13	28.640	30	0.750	30.037	29.993	30.015	30.32	13	29.54	30	0.78
Corrected mean		29.095						Corrected mean		30.010	3,500-ft.	—		10,000-ft.	—

TEMPERATURE.

Mean. Dry. 8 a.m.	Dry. 8 p.m.	Dry. (8+8)÷2 (g)	Wet. 8 a.m.	Wet. 8 p.m.	Wet. Monthly. (g)	Max.	Min.	Monthly. (g)	Sea-level. (g)	3,500-ft. (g)	10,000-ft. (g)	Highest. (i)	Date. (i)	Lowest. (i)	Date. (i)	Absolute range.	Greatest daily range. (i)	Date. (i)	Least daily range. (i)	Date. (i)
63.6	71.4	67.5	60.7	64.3	62.5	78.4	59.5	69.0	–	–	–	89	1	46	26	43	27	8	8	16

Dew-point. 8 a.m.	Dew-point. 8 p.m.	Dew-point. Monthly. (g)	Relative humidity. 8 a.m.	Relative humidity. 8 p.m.	Relative humidity. Monthly. (g)	Vapor pressure. 8 a.m.	Vapor pressure. 8 p.m.	Vapor pressure. Monthly. (g)
58.8	60.0	59.4	85.1	68.8	77.0	.509	.539	.524

Number of days with—(j) Maximum. 32° or below.	Maximum. 90° or above.	Minimum. 32° or below.	Minimum. Zero or below.
0	0	0	0

CLOUDS.

Most frequent clouds: C.St.

Most frequent direction upper clouds: W.

Most frequent direction lower clouds: SW

WIND.

Total movement (mid. to mid.).	Average hourly velocity.	Prevailing direction. (p)	Maximum velocity. (r)	Direction. (r)	Date. (r)	N.	NE.	E.	SE.	S.	SW.	W.	NW.	Calm.
5861	8.1	SW.	35	SW	22	7	3	5	7	6	18	7	7	0

Number of times wind observed from the—

WEATHER.

Mean Cloudiness. 8 a.m.	8 p.m.	Monthly. (t)	Sunshine. Percentage of possible.	Number of Days. Clear.	Partly cloudy.	Cloudy.	Number of Days with Precipitation (Mid. to Mid.). Clear. (u)	Partly cloudy. (u)	Cloudy. (u)
5.0	4.6	5.7	62	6	16	8	1	6	5

MISCELLANEOUS PHENOMENA.

Dates of—(Midnight to Midnight).

Frosts. Light.	Heavy.	Killing.	Thunderstorms. (v)	Winds. (40 miles or over.)	Solar Halos.	Lunar Halos.	Fog. Light.	Dense.	Haze. Light.	Dense.	Smoke. Light.	Dense.	Hail.	Aurora.
0	0	0	1, 2, 4, 10, 11, 17, 21, 24, 29	0	24	18	0	15	0	0	0	0	0	0

PRECIPITATION (in inches and hundredths). (m)

Total amount.	Greatest amount in 24 consecutive hours. Amt.	Date. (k)	Excessive. 2.50 inches in 24 hours. (l) * Amt.	Duration. h. m.	Date. (k)	1 inch per hour. (l) Amt.	Duration. h. m.	Date. (k)	Number of days with—(Mid. to Mid.). Trace.	.01 or more.	.04 or more.	.25 or more.	1.00 or more.	Total.	Snow. Trace or more.	.01 or more melted.	Snow. Total depth. (o)	Average depth at end of month.
2.88	0.61	4	0			0			6	12	12	5	0	18	0	0	0	0

(w) Maximum precipitation in 5 minutes .22, date 17"; 10 minutes .29, date 2"; 15 minutes .39, date 4"; 30 minutes .55, date 4"; 1 hour .58, date 4"; 2 hours .58, date 4".

EXCESSIVE.

Date.	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amt. before excessive began.	Accumulated depths during excessive rate for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
4-5	10.50 pm	- - - D.N. a	.58	11:22 pm	11:52 pm	0.01	.10	.20	.35	.41	.46	.55								

* The duration is the time precipitation was actually recorded.

8—154

Prepared by CDS

C. M. Donovan, Meteorologist, Weather Bureau.

(9)

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at [illegible], for the Month of [illegible], 192 1

Number of Station barometer, 656; sum of corrections, -.009 inch.

Date.	Time. 75th mer.	Time. Local (standard).	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.)	Barometer. Reduced to sea-level.	Thermometers. Dry.	Thermometers. Wet.	Dew-point.	Depression of the dew-point.	Relative humidity.	Maximum thermometer.	Wind. Direction.	Wind. Velocity. †	Wind. Max. since last observation.	Wind. Direction.	Precipitation. ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Special Phenomena.	Initials of Observer.	Date.
								Extremes of Pressure,																	
13	9 00 am	8 00 am				29.390	30.32	65.0																	13
30	2 50 am	1 50 am				28.640	29.54	63.0																	30

If additional space is required, rule a sheet similar to this, and paste to this margin. † By dial when self-register is out of order. †† T indicates trace of precipitation.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of SEP, 1921

Wind—Number of Miles and Length of Time From. (Standard of time in local use, 90 meridian.)

DATE.	N.		NE.		E.		SE.		S.		SW.		W.		NW.		CALM.		TOTAL.	
	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.
1																				
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28																				
29																				
30																				
31																				
SUM.																				
PERCENTAGE																			a	a
AVG. HOURLY VELOCITY		a		a		a		a		a		a		a		a		a		a

8—154

Form No. 1001—Met'l.

U. S. DEPARTMENT OF AGRICULTURE,

WEATHER BUREAU.

ORIGINAL MONTHLY RECORD

OF

OBSERVATIONS

AT

Fort Wayne Ind.

For the Month of October, *192*1.

*Station is supplied with a barograph, thermograph, sunshine recorder, and self-recording rain gage.

†No. of dry thermometer in use, ____; No. of wet thermometer in use, ____; No. of maximum thermometer in use, ____; No. of minimum thermometer in use, ____

†Elevation above ground of the dry thermometer, ____ feet; rain gage, ____ feet; anemometer, ____ feet.

If the office has been moved during the month, give date ____; amount of change in height of barometer, ____ feet (higher or lower).

No. of extra barometer, 675; sum of corrections, -.017; date and observation upon which use of station barometer commenced, May 20, 1911 7.00 am, station elevation, 856 feet; actual elevation, 856 feet.

Location of office: Number Power Bros & Calhoun street & room 911-912 Shroff Bldg; first observation taken in present office, 7.00 a m. May 20, 1911

*Cancel words that are not appropriate. †To be entered only in December unless changes are made during the year. Changes made during the year will be noted in the appropriate months. 8—154

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of October 1921.

Number of Station barometer, 656; sum of corrections, -.009 inch.

OBSERVATIONS AT 8 A. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 A. M. 90TH MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:19 A. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Self-reg. ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 a. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.		Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.							
1	68.5	29.223	.114	29.109	30.04	48.9	46.1	43	81	.277	56.0	45.1	SW	9			0	1	ASt	NW	Clear		CCS	1
2	68.0	29.146	.113	29.033	29.95	55.0	51.0	48	76	.334	62.2	53.1	SW	7			0	10	StCu	SW	Cloudy		CCS	2
3	66.0	28.994	.107	28.887	29.81	51.3	50.2	49	93	.347	56.0	50.4	W	6			T	6 2	ACu Cu	W N	Cloudy		CCS	3
4	67.5	29.138	.112	29.026	29.97	46.7	39.1	37	87	.219	50.0	38.2	W	9			T	2	StCu	N	Clear		CCS	4
5	66.0	29.300	.108	29.192	30.12	40.8	38.3	35	80	.203	48.1	38.1	SW	12			0	0	0	0	Clear		CCS	5
6	68.0	29.200	.113	29.087	30.02	47.8	45.6	43	85	.277	57.5	46.7	SW	10			0	2	ASt	NW	Clear		CCS	6
7	70.5	28.918	.119	28.799	29.70	58.0	57.0	56	94	.448	68.0	57.9	SW	17			.47	10	Nb	SW	Lt. Rain		CCS	7
8	68.0	29.143	.113	29.030	29.97	39.0	37.9	37	91	.219	43.4	37.5	W	11			.03	10	St	NW	Cloudy		CCS	8
9	66.0	28.872	.106	28.766	29.69	44.3	42.0	40	83	.247	46.0	43.1	SW	12			0	1 7	CiSt HCu	NW NW	Cloudy		CCS	9
10	68.0	28.914	.112	28.802	29.[illegible]	48.0	45.0	42	80	.266	60.3	47.6	N	6			0	4	ASt	W	Pt. Cloudy		CCS	10
11	69.5	29.078	.116	28.962	29.89	45.2	43.8	42	90	.266	52.0	44.2	W	13			0	10	St	NW	Cloudy		CCS	11
12	68.0	29.307	.113	29.194	30.13	39.5	37.0	36	96	.211	43.3	35.6	W	6			.05	10	St	NW	Cloudy		CCS	12
13	69.0	29.630	.118	29.512	30.46	35.6	34.1	32	87	.180	41.4	33.5	SW	9			0	0	0	0	Clear		CCS	13
14	70.6	29.619	.119	29.500	30.45	41.3	37.3	32	69	.180	51.0	38.2	SW	7			0	4	H. Smoke	SW	Clear		CCS	14
15	71.5	29.491	.123	29.368	30.31	45.0	40.6	35	69	.203	56.0	43.0	S	7			0	0	0	0	Clear		CCS	15
16	72.5	29.356	.125	29.231	30.16	54.0	50.0	47	76	.322	59.5	51.8	S	5			T	1	CiCu	NW	Clear		CCS	16
17	72.0	29.165	.124	29.041	29.96	59.2	54.1	50	72	.360	64.8	56.4	SW	15			0	8	Cu	SW	Cloudy		CCS	17
18	73.5	28.957	.127	28.830	29.73	58.8	56.0	54	84	.417	68.2	58.8	SW	15			.02	6	StCu	W	Pt. Cloudy		CCS	18
19	72.0	28.929	.123	28.806	29.72	52.8	49.0	45	76	.298	59.0	51.0	SW	9			0	10	St	W	Cloudy		CCS	19
20	71.0	29.005	.120	28.885	29.81	46.0	44.0	42	86	.266	46.8	45.3	NW	12			.02	1 7	HSt Cu	NW NW	Cloudy		CCS	20
21	72.0	29.232	.124	29.108	30.05	42.0	40.7	39	90	.237	48.4	42.0	W	5			0	1 2	ASt Lt. Smoke	0? W	Clear		CCS	21
22	70.0	29.110	.118	28.992	29.92	49.0	44.4	40	70	.247	52.6	42.6	SW	23			0	0	0	0	Clear		CCS	22
23	70.5	29.436	.121	29.315	30.26	43.0	41.0	39	85	.237	56.0	41.8	E	7			0	1 2 1	Cu ASt CiSt	NW NW NW	Pt. Cloudy		CCS	23
24	71.0	29.217	.121	29.096	30.03	49.0	46.1	43	81	.277	56.0	43.6	S	8			0	3 1	CiSt Lt. Smoke	W S	Clear		CCS	24
25	73.5	29.219	.128	29.091	30.01	49.1	48.7	48	97	.334	66.5	49.9	NE	15			0	10	St	NE	Cloudy		CCS	25
26	74.0	29.247	.129	29.118	30.06	40.0	38.0	35	84	.203	47.8	39.6	E	14			0	0	0	0	Clear		CCS	26
27	74.5	29.213	.130	29.083	30.01	52.0	50.6	49	92	.347	57.6	50.6	SE	7			.23	10	Nb	SE	Lt. Rain		CCS	27
28	73.5	29.360	.128	29.232	30.16	52.2	51.9	52	98	.387	58.0	51.1	SW	6			0	10	Dense Fog	SW	Foggy		CCS	28
29	73.0	29.170	.126	29.044	29.97	55.1	52.0	50	81	.360	59.3	54.3	E	9			0	9	StCu	SW	Cloudy		CCS	29
30	72.0	29.191	.124	29.067	30.00	54.7	52.7	51	88	.373	56.3	54.6	E	4			.02	10	St.	E	Cloudy		C.O.S.	30
31	71.0	29.100	.120	28.980	29.91	52.1	52.1	52	100	.387	56.0	50.9	NW	5			0	10	Dense fog	NW	Foggy		C.O.S.	31
Sums		(a)	(a)	901.186	929.98	1487.4	1416.3	1343	2621	8.929	(a)	(a)	(a)	300	(a)	(a)	.084	155	(a)	(a)	(a)		(a)	(a)
Means		(a)	(a)	29.071	29.999	48.0	45.7	43.3	84.5	.288	(a)	(a)	(c) SW	9.7	(a)	(a)	(a)	5.0	U A St. L St.	U NW L SW	(a)		(a)	(a)

Reference letters in this form refer to paragraph 121, "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order. †† T indicates trace of precipitation. U, upper clouds. L, lower clouds.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of October, 1921.

Number of Station barometer, 656; sum of corrections, -.009 inch.

OBSERVATIONS AT 8 P. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 P. M. 90° MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:19 P. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Self-reg. ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 p. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Fog, Mid. to Mid. (local standard time). Light. (f)	Fog, Mid. to Mid. (local standard time). Dense. (f)	Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.								
1	70.0	29.192	.118	29.074	30.00	62.2	53.7	47	57	.322	71.3	48.9	SW	7			0	0	0	0	Clear			P. McD.	1
2	68.0	29.028	.112	28.916	29.84	56.0	54.0	53	88	.402	66.0	55.0	NE	4			.01	10	Nb	NE	Lt. Rain			[illegible]	2
3	70.0	29.056	.118	28.938	29.87	50.0	45.2	40	69	.247	57.4	47.0	NW	6			T	8	StCu	NW	Cloudy			P. McD.	3
4	69.5	29.252	.117	29.135	30.08	48.1	45.6	43	83	.277	54.8	40.7	NW	7			0	1	St	NW	Clear			P. McD.	4
5	69.0	29.178	.116	29.062	29.99	57.5	52.5	48	72	.334	64.0	40.8	SW	14	26	SW	0	0	0	0	Clear			P. McD.	5
6	70.5	29.104	.119	28.985	29.90	68.0	62.8	60	75	.5[illegible]	73.4	42.8	S	2			0	8	ASt	W	Clear			[illegible]	6
7	71.5	29.066	.121	28.945	29.87	43.4	42.8	42	95	.266	58.0	43.0	W	15			.81	10	Nb	W	Lt. Rain			P. McD.	7
8	69.5	29.092	.116	28.976	29.92	44.2	42.0	40	84	.247	47.4	39.0	SW	13			T	10	St	SW	Cloudy			P. McD.	8
9	66.0	28.915	.107	28.808	29.73	60.3	51.8	44	56	.287	65.1	44.3	S	5			0	10	ASt	NW	Cloudy			C. O. S.	9
10	72.0	29.084	.123	28.961	29.89	52.0	47.2	42	70	.266	58.3	48.0	SW	5			0	8	StCu	W	Cloudy			P. McD.	10
11	71.0	29.272	.121	29.151	30.08	43.2	42.1	41	91	.256	48.0	42.0	N	8	25	SW	.12	10	St	NW	Cloudy			P. McD.	11
12	71.0	29.472	.122	29.350	30.30	41.4	39.8	38	87	.228	47.6	37.5	W	3			T	8	StCu	NW	Cloudy	B-7:35P E-10:10P		P. McD.	12
13	70.5	29.564	.121	29.443	30.39	51.0	45.0	39	63	.237	59.0	35.6	SW	8			0	0	0	0	Clear			P. McD.	13
14	71.0	29.504	.122	29.382	30.32	56.0	49.0	43	61	.277	65.0	41.3	S	9			0	0	0	0	Clear			P. McD.	14
15	71.0	29.364	.121	29.243	30.17	59.5	52.0	46	60	.310	67.0	45.0	S	5			0	4 4	C.St A St	NW NW	Cloudy			P. McD.	15
16	71.5	29.200	.122	29.078	30.00	64.8	56.7	51	61	.373	72.0	54.0	S	11			0	5	ACu	NW	Pt. Cloudy			[illegible]	16
17	74.0	29.052	.128	28.924	29.83	68.2	62.2	58	72	.482	78.7	59.2	S	9			0	2	ACu	W	Clear			P. McD.	17
18	72.0	29.056	.123	28.933	29.85	59.0	55.0	52	78	.387	66.2	57.6	W	5	29	W	0	1	A St	W	Clear			P. McD.	18
19	71.0	28.886	.120	28.766	29.69	46.8	44.3	42	83	.266	59.3	46.8	W	8	29	W	.24	4	StCu	W	Pt. Cloudy			[illegible]	19
20	73.0	29.144	.126	29.018	29.96	48.4	45.3	42	79	.266	54.4	46.0	NW	17			0	0	0	0	Clear			[illegible]	20
21	72.0	29.156	.124	29.032	29.97	52.6	47.1	42	67	.266	59.0	41.6	SW	10			0	0	0	0	Clear			P. McD.	21
22	71.0	29.248	.121	29.127	30.06	56.0	49.0	43	61	.277	68.0	49.0	NW	7	25	SW	0	0	0	0	Clear			P. McD.	22
23	70.0	29.313	.119	29.194	30.12	56.0	50.0	45	66	.298	62.0	43.0	SE	8			0	4	C.St	W	Pt. Cloudy			[illegible]	23
24	72.5	29.102	.124	28.978	29.90	66.5	57.0	50	56	.360	77.0	49.0	SW	7			0	0	0	0	Clear			P. McD.	24
25	76.0	29.280	.134	29.146	30.08	47.8	45.0	42	81	.266	57.4	47.8	E	16	27	E	0	2	StCu	E	Clear	B-6:54A E-10:15A		P. McD.	25
26	75.0	29.212	.132	29.080	30.01	57.0	52.2	48	70	.334	65.4	40.0	E	9			0	0	0	0	Clear			P. McD.	26
27	74.5	29.208	.130	29.078	30.01	58.0	56.0	55	89	.432	60.8	52.0	S	8			T	8	StCu	S	Cloudy			P. McD.	27
28	73.0	29.304	.126	29.178	30.11	59.3	57.0	56	87	.448	67.4	52.2	S	8			0	0	0	0	Clear	B-8:20a E-12:15p	B-DNA E-8:20a	P. McD.	28
29	72.5	29.160	.125	29.035	29.97	56.3	55.3	54	94	.417	60.0	55.1	E	20	27	SE	1.24	10	Nb	E	Lt. Rain			P. McD.	29
30	70.0	29.122	.118	29.004	29.93	56.0	55.3	55	97	.432	59.8	54.7	E	7			.08	10	St	E	Cloudy		B-10:30p E-Cont'd	[illegible]	30
31	72.0	29.034	.123	28.911	29.83	56.8	55.9	55	95	.432	58.0	52.1	N	10			0	10	St-Cu	N	Cloudy	B-8:27a E-11:19a	B-- E-8:27a	P. McD.	31
Sums	(a)	(a)		900.851	929.67	1703.0	1569.0	1456	2347	10.209	(a)	(a)	(a)	271	(a)	(a)	2.50	147	(a)	(a)	(a)	4	3	(a)	(a)
Means	(a)	(a)		29.060	29.989	54.9	50.6	47.0	75.7	.329	(a)	(a)	(c) S	8.7	(a)	(a)	(a)	4.7	U A St L St Cu	U NW L E, W, NW (a)		(a)	(a)	(a)	(a)

Observations are begun about 7.40 o'clock, 75th meridian time.

† By dial when self-register is out of order. †† T indicates trace of precipitation. U, upper clouds. L, lower clouds.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of August, 1921.

Date.	Temperature. Maximum. (b)	Minimum. (b)	Range. (b)	Change. (b)	Mean (max. and min.). (b)	Normal.	Departure.	Total excess or deficiency since 1st of month.	Precipitation. Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Total (mid. to mid.). (b) ††	Normal.	Departure.	Total excess or deficiency since 1st of month.	Hail and sleet unmelted. 7 p.m. to 7 p.m. *‡‡	Snow unmelted. 7 p.m. to 7 p.m. *‡‡	Hail, sleet, and snow on ground at 7 p.m. *‡‡	Amount of precipitation from melted snow (mid. to mid.).	Date.
	°	°	°	°	°																In.				In.	In.	In.	In.	
1	71	45	26	2	58																0				0	0	0	0	1
2	66	53	13	2	60				R	7:28a	8:34a	R	11:03a	11:37a	R	4:58p	7:08p				.01				0	0	0	0	2
3	57	42	15	10	50				R	9:39a	9:06a	R S	7:29p	9:26p							T				0	0	0	T	3
4	55	38	17	4	46																0				0	T	0	0	4
5	64	38	26	5	51																0				0	0	0	0	5
6	73	47	26	9	60				R	9:50p	Cont'd										T				0	0	0	0	6
7	61	40	21	10	50				R	Cont'd	6:50p										1.28				0	0	0	0	7
8	47	38	9	8	42				R	DNA	DNA	R S	10:10a	10:28a	R	11:08a	11:52a				.03				T	0	0	0	8
9	65	43	22	12	54																0				0	0	0	0	9
10	58	48	10	1	53																0				0	0	0	0	10
11	51	39	12	8	45				R	9:30a	5:30p										.12				0	0	0	0	11
12	48	36	12	3	42				R	DNA	DNA	R	11:36a	11:53a	R	3:02p	3:15p				.05				0	0	0	0	12
13	59	34	25	4	46																0				0	0	0	0	13
14	65	38	27	6	52																0				0	0	0	0	14
15	67	43	24	3	55				R	10:00p	10:49p										T				0	0	0	0	15
16	72	52	20	7	62																0				0	0	0	0	16
17	79	56	23	6	68																0				0	0	0	0	17
18	66	52	14	9	59				R	DNA	DNA										.02				0	0	0	0	18
19	59	46	13	7	52				R	6:52a	10:25a	R	3:24p	4:15p	R	5:13p	6:10p	R	10:10p	DNP	.26				0	0	0	0	19
20	54	43	11	4	48																0				0	0	0	0	20
21	59	42	17	2	50																0				0	0	0	0	21
22	68	48	20	8	58																0				0	0	0	0	22
23	62	42	20	6	52																0				0	0	0	0	23
24	77	44	33	8	60																0				0	0	0	0	24
25	59	46	13	8	52																0				0	0	0	0	25
26	65	40	25	0	52																0				0	0	0	0	26
27	61	51	10	4	56				R	DNA	7:18a	R	4:10p	4:50p							.23				0	0	0	0	27
28	67	51	16	3	59																0				0	0	0	0	28
29	60	54	6	2	57				R	8:39a	8:18p										1.24				0	0	0	0	29
30	60	52	8	1	56				R	DNA	DNA	R	7:10a	9:19a	R	10:21a	10:47a	R	3:40p	5:45p	.10				0	0	0	0	30
31	58	51	7	2	54																0				0	0	0	0	31
S	1933	1392	541	164	1659		Total excess or deficiency since January 1,		(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	3.34		Total excess or deficiency since January 1,		T	T	(a)	(a)	(a)
M	62.4	44.9	17.5	5.3	53.5	(a)			(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)			(a)	(a)	(a)	(a)	(a)

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, S^d—dry snow, S^m—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths.

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SUMMARY FOR THE MONTH OF October, 1921

The 8 a.m. and 8 p.m. means of pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian time. All other data are in the standard of time in local use.

PRESSURE.

(Correction to reduce to a 24-hour mean -.006.)

STATION. Mean. 8 a.m.	8 p.m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.	REDUCED. Mean. 8 a.m.	8 p.m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.
29.071	29.060	29.066	29.520	13	28.650	10	0.870	29.999	29.989	29.994	30.47	13	29.56	10	0.91
Corrected mean		29.060						Corrected mean		29.988	3,500-ft			10,000-ft	

TEMPERATURE.

Mean. Dry. 8 a.m.	8 p.m.	(8+8)÷2 (g)	Wet. 8 a.m.	8 p.m.	Monthly. (g)	Max.	Min.	Monthly. (g)	Sea-level. (g)	3,500-ft. (g)	10,000-ft. (g)	Highest. (i)	Date. (i)	Lowest. (i)	Date. (i)	Absolute range.	Greatest daily range. (i)	Date. (i)	Least daily range. (i)	Date. (i)
48.0	54.9	51.4	45.7	50.6	48.2	62.4	44.9	53.6	–	–	–	79	17	34	13	45	33	24	6	29

Dew-point. 8 a.m.	8 p.m.	Monthly. (g)	Relative humidity. 8 a.m.	8 p.m.	Monthly. (g)	Vapor pressure. 8 a.m.	8 p.m.	Monthly. (g)
43.3	47.0	45.2	84.5	75.7	80.1	.288	.329	.308

Number of days with—(j) Maximum. 32° or below.	90° or above.	Minimum. 32° or below.	Zero or below.
0	0	0	0

Clouds.

Most frequent clouds St. Cu.

Most frequent direction upper clouds NW

Most frequent direction lower clouds NW

WIND.

Total movement (mid. to mid.).	Average hourly velocity.	Prevailing direction. (p)	Maximum velocity. (r)	Direction. (r)	Date. (r)	Number of times wind observed from the— N.	NE.	E.	SE.	S.	SW.	W.	NW.	Calm.
7677	10.3	SW	29	W	19	3	2	8	2	11	20	10	6	0

WEATHER.

Mean cloudiness. 8 a.m.	8 p.m.	Monthly. (t)	Sunshine. Percentage of possible.	Number of days. Clear.	Partly cloudy.	Cloudy.	Number of days with precipitation (mid. to mid.). Clear. (u)	Partly cloudy. (u)	Cloudy. (u)
5.0	4.7	5.4	50	10	11	10	0	1	9

MISCELLANEOUS PHENOMENA.

Dates of—(midnight to midnight).

Frosts. Light.	Heavy.	Killing.	Thunderstorms. (v)	Winds. (40 miles or over.)	Solar halos.	Lunar halos.	Fog. Light.	Dense.	Haze. Light.	Dense.	Smoke. Light.	Dense.	Hail.	Aurora.
4, 5	0	13	19, 27	6	26	15	12, 25, 28, 31	28, 30, 31	0	0	14, 21, 24	0	0	0

PRECIPITATION (in inches and hundredths). (m)

Total amount.	Greatest amount in 24 consecutive hours. Amt.	Date. (k)	Excessive. 2.50 inches in 24 hours. (l) * Amt.	Duration. h. m.	Date. (k)	1 inch per hour. (l) Amt.	Duration. h. m.	Date. (k)	Number of days with—(mid. to mid.). Trace.	.01 or more.	.04 or more.	.25 or more.	1.00 or more.	Total.	Snow. Trace or more.	.01 or more melted.	Snow. Total depth. (o)	Average depth at end of month.
3.34	1.28	7	0			0			3	10	7	3	2	13	1	0	T	0

(w) Maximum precipitation in 5 minutes 0.09, date 29; 10 minutes 0.17, date 29; 15 minutes 0.14, date 29;

30 minutes 0.23, date 29; 1 hour 0.35, date 29; 2 hours 0.56, date 29.

EXCESSIVE.

Date.	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amt. before excessive began.	Accumulated depths during excessive rate for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

—None—

* The duration is the time precipitation was actually recorded.

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Prepared by 608

P. M. Lonergan, Meteorologist, Weather Bureau.

(9)

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at San Buenaventura, for the Month of October, 1921.

Number of Station barometer, 656; sum of corrections, −.009 inch.

SPECIAL OBSERVATIONS.

Date.	Time. 75th mer.	Time. Local (standard).	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.)	Barometer. Reduced to sea-level.	Thermometers. Dry.	Thermometers. Wet.	Dew-point.	Depression of the dew-point.	Relative humidity.	Maximum thermometer.	Wind. Direction.	Wind. Velocity. †	Wind. Max. since last observation.	Wind. Direction.	Precipitation. ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Special Phenomena.	Initials of Observer.	Date.
7"	12 00 Noon	11 00 a.m.	71.0	28.971	.120	28.851	29.76	49.8	48.3	47	3	90	58.0	N	13			.31	10	Nb	NW	Lt. Rain	Ordered by C.O.	BCS	7
25"	2 00 p.m.	1 00 p.m.	74.5	29.247	.130	29.117	30.05	54.4	50.4	47	7	76	54.4	E	18	26	E	0	9	ASt	NW	Cloudy	Ordered by C.O.	BCS	25"
29"	2 00 p.m.	1 00 p.m.	72.5	29.184	.125	29.059	29.99	56.4	55.4	54	2	94	60.0	SE	5			.71	10	Nb	SE	Lt. Rain	Ordered by C.O.	BCS	29"

— Extremes of Pressure —

10"	3 00 a.m.	2 00 a.m.				28.650	29.56	51.0																	10"
13"	10 00 a.m.	9 00 a.m.				29.520	30.47	48.0																	13"

If additional space is required, rule a sheet similar to this, and paste to this margin. † By dial when self-register is out of order. †† T indicates trace of precipitation.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of OCT, 1921

Wind—Number of Miles and Length of Time From. (Standard of time in local use, 90 meridian.)

DATE.	N.		NE.		E.		SE.		S.		SW.		W.		NW.		CALM.		TOTAL.	
	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.
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31																				
SUM.																				
PERCENTAGE																			a	a
AVG. HOURLY VELOCITY		a		a		a		a		a		a		a		a		a		a

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Form No. 1001—Met'l.

U. S. DEPARTMENT OF AGRICULTURE,

WEATHER BUREAU.

ORIGINAL MONTHLY RECORD

OF

OBSERVATIONS

AT

Fort Worth, Tex.

For the Month of May, *192* 1.

*Station is supplied with a barograph, thermograph, sunshine recorder, and self-recording rain gage.

†No. of dry thermometer in use, {3336 Tue 10 am 12 th / 6946 from 10 am 12 th}; No. of wet thermometer in use, ----------; No. of maximum thermometer in use, ----------; No. of minimum thermometer in use, ----------

†Elevation above ground of the dry thermometer, ---------- feet; rain gage, ---------- feet; anemometer, ---------- feet.

If the office has been moved during the month, give date ----------; amount of change in height of barometer, ---------- feet (higher or lower).

No. of extra barometer, 675; sum of corrections, -.017; date and observation upon which use of station barometer commenced, May 20, 1911. 7 a. m., station elevation, 856 feet; actual elevation, 856 feet.

Location of office: Number Corner of Berry & Calhoun street & rooms 911-912 Sheaff Bldg; first observation taken in present office, 7.00 a m. May 20, 1911

*Cancel words that are not appropriate.

†To be entered only in December unless changes are made during the year. Changes made during the year will be noted in the appropriate months.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at _____, for the Month of _____, 1921.

Number of Station barometer, 656; sum of corrections, −.009 inch.

OBSERVATIONS AT 8 A. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 A. M. 90° MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:19 A. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Self-reg. ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 a. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.		Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.							
1	71.0	28.992	.120	28.872	29.80	48.0	46.4	45	89	.298	57.6	48.0	N	23	28	NE	.01	10	St Cu	N	Cloudy		C. McD.	1
2	70.0	29.270	.119	29.151	30.09	32.5	31.3	30	88	.164	42.6	31.4	N	7			0	0	0	0	Clear		C. McD.	2
3	71.0	29.204	.121	29.083	30.02	33.4	32.3	31	89	.172	45.5	31.6	SW	10			0	8	St Cu	SW	Cloudy		C. McD.	3
4	69.0	29.113	.115	28.998	29.94	42.0	40.8	40	90	.247	42.0	37.0	SW	10			0	4 2	A St St	NW SW	Pt. Cloudy		C. McD.	4
5	70.0	29.364	.119	29.245	30.17	36.4	34.0	31	79	.172	48.8	35.9	NW	3			0	7	St Cu	NW	Pt. Cloudy		C. McD.	5
6	68.5	29.315	.115	29.200	30.14	36.0	34.0	31	82	.172	42.0	34.9	SE	6			0	10	St Cu	SE	Cloudy		C. McD.	6
7	67.5	29.396	.113	29.283	30.23	32.0	32.0	32	100	.180	46.0	32.0	N	5			0	10	Dense fog	N	Foggy		C. McD.	7
8	71.0	29.486	.122	29.364	30.31	36.4	35.3	34	90	.195	43.6	36.4	E	8			0	7 1	A St St	W E	Cloudy		C. McD.	8
9	69.5	29.222	.117	29.105	30.05	31.2	30.7	30	95	.164	38.1	31.2	NE	18	28	NE	.18	10	Nb	NE	Lt. Snow		C. McD.	9
10	69.0	29.284	.116	29.168	30.11	33.4	32.2	31	88	.172	33.4	32.6	SW	11			0	10	St Cu	W	Cloudy		C. McD.	10
11	69.0	29.122	.115	29.007	29.95	35.5	34.0	32	86	.180	40.2	33.9	W	2			.04	10	Nb	W	Lt. Snow		C. McD.	11
12	69.0	29.374	.116	29.258	30.22	20.0	19.0	17	85	.089	29.0	19.8	NW	8			T	1	St	NW	Clear		C. McD.	12
13	67.0	29.106	.110	28.996	29.95	30.6	28.9	27	88	.143	30.8	28.2	S	9			.06	10	Nb	S	Lt. Snow		C. McD.	13
14	67.5	29.068	.111	28.957	29.91	32.6	30.6	28	80	.150	38.0	31.5	SW	9			0	7 1	A St St	NW SW	Cloudy		C. McD.	14
15	65.5	29.391	.107	29.284	30.24	29.0	27.0	24	78	.124	32.0	28.8	SW	8			0	9	St Cu	SW	Cloudy		C. McD.	15
16	68.0	29.188	.113	29.075	30.03	36.0	34.4	32	86	.180	37.4	32.6	E	7			0	6 4	A St St	W E	Cloudy		C. McD.	16
17	69.5	29.003	.116	28.887	29.81	56.0	56.0	56	100	.448	56.0	52.6	S	7			.04	10	Dense fog	S	Foggy		C. McD.	17
18	71.0	29.064	.120	28.944	29.86	60.5	59.0	58	92	.482	60.5	57.7	S	16			.46	10	Nb	SW	Lt. Rain		C. McD.	18
19	70.0	28.920	.118	28.802	29.71	54.0	53.5	53	97	.402	62.2	52.1	S	15			1.20	10	Nb	SW	Lt. Rain		C. McD.	19
20	66.5	29.676	.111	29.565	30.52	30.6	28.4	25	77	.130	37.0	30.6	N	4			0	4	A St	W	Pt. Cloudy		C. McD.	20
21	67.0	29.395	.111	29.284	30.23	35.0	33.2	30	84	.164	39.0	34.1	SW	9			0	7 2	A St St	W SW	Cloudy		C. McD.	21
22	68.0	29.480	.114	29.366	30.32	33.0	32.5	32	95	.180	44.3	31.5	NE	10			0	10	Dense fog	NE	Foggy		C. McD.	22
23	68.0	29.379	.114	29.265	30.21	33.0	32.0	31	90	.172	34.3	31.7	E	10			0	10	St	NE	Cloudy		E. C. S.	23
24	68.0	29.091	.112	28.979	29.92	44.4	43.4	42	93	.266	46.8	40.5	NW	16			.32	10	Nb	NW	Lt. Rain		C. McD.	24
25	67.0	29.485	.111	29.374	30.33	31.0	30.0	29	89	.157	38.0	30.0	S	4			0	0	0	0	Clear		E. C. S.	25
26	68.5	29.072	.114	28.958	29.90	42.0	40.5	39	88	.237	42.6	39.0	SE	5			.18	10	St	SE	Cloudy		C. McD.	26
27	70.5	29.108	.119	28.989	29.92	49.0	47.0	47	100	.322	50.0	44.4	NE	3			0	10	Dense fog	NE	Fog[illegible]		[illegible]	27
28	70.0	29.164	.118	29.046	29.99	36.4	35.1	33	89	.187	45.0	36.4	NE	18	25	NE	.06	10	St	NE	Cloudy		[illegible]	28
29	68.5	29.242	.114	29.128	30.08	33.3	32.8	32	95	.180	33.3	30.6	SW	12			0	10	St	SW	Cloudy		C. McD.	29
30	67.5	29.247	.112	29.135	30.09	30.0	30.0	30	100	.164	41.3	29.2	SW	4			0	10	Dense fog	SW	Foggy		C. McD.	30
31																								31
Sums	(a)	(a)	(a)	873.768	902.05	1110.6	1076.3	1032	2682	6.293	(a)	(a)	(a)	277	(a)	(a)	2.55	200	(a)	(a)	(a)		(a)	(a)
Means	(a)	(a)	(a)	29.126	30.068	37.0	35.9	34.4	89.4	.210	(a)	(a)	(c) SW	9.2	(a)	(a)	(a)	6.7	U a.St. L St.	U W L SW	(a)		(a)	(a)

Reference letters in this form refer to paragraph 121, "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order.

†† T indicates trace of precipitation.

U, upper clouds. L, lower clouds.

8—154

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at _____, for the Month of _____, 192_.

Number of Station barometer, 656; sum of corrections, -.009 inch.

OBSERVATIONS AT 8 P. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 P. M. 90° MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:19 P. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Self-reg. ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 p. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Fog, Mid. to Mid. (local standard time). Light. (f)	Fog, Mid. to Mid. (local standard time). Dense. (f)	Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.								
1	72.5	29.184	.125	29.059	30.00	42.6	38.8	34	71	.195	50.9	42.6	N	15	32	NE	0	0	0	0	Clear			CCS	1
2	72.0	29.252	.124	29.128	30.07	45.5	42.0	38	75	.228	48.0	32.5	N	1			0	6	A St	NW	Pt. Cloudy			CCS	2
3	70.5	29.298	.120	29.178	30.12	41.5	39.0	36	80	.211	47.6	33.4	NW	8			0	2	A St	NW	Clear			CCS	3
4	70.5	29.145	.120	29.025	29.96	48.8	44.7	41	73	.256	60.3	42.0	NW	11	38	SW	0	0	0	0	Clear			CCS	4
5	70.0	29.405	.119	29.286	30.24	42.0	37.5	32	66	.180	45.0	36.4	NE	2			0	4	ACu	NW	Pt. Cloudy			CCS	5
6	69.5	29.100	.111	28.989	29.93	46.0	43.0	40	79	.247	54.9	36.0	N	5			0	3	A St	NW	Clear			P.M.H.	6
7	71.0	29.492	.122	29.370	30.32	43.6	40.1	36	74	.211	45.1	31.5	E	3			0	10	St	S	Cloudy	B-8:33a E-11:40a	B-6:20a E-8:33a	CCS	7
8	72.0	29.330	.124	29.206	30.15	38.1	37.1	36	91	.211	46.1	36.4	NE	15			0	9	StCu	E R	Cloudy			CCS	8
9	72.0	29.242	.124	29.118	30.07	33.2	32.2	31	90	.172	33.2	31.2	N	8			.04	10	St	N	Cloudy			CCS	9
10	70.0	29.135	.118	29.017	29.97	39.6	36.1	32	72	.180	40.3	31.5	SW	18	26	SW	0	7	StCu	W	Pt. Cloudy			CCS	10
11	71.0	29.191	.121	29.070	30.02	29.0	27.3	25	81	.130	36.0	29.0	N	9			.18	10	Nb	NW	Lt. Snow			P.M.H.	11
12	71.0	29.307	.121	29.186	30.15	29.8	26.8	22	68	.113	34.8	18.7	S	5			0	10	A St	W	Cloudy			CCS	12
13	69.0	28.972	.115	28.857	29.81	35.5	34.0	32	86	.180	36.0	30.0	SE	5			.03	10	St	SE	Cloudy			P.M.H.	13
14	69.0	29.208	.116	29.092	30.04	32.0	30.5	28	85	.150	37.2	32.0	NW	11			0	10	St	W	Cloudy			CCS	14
15	69.5	29.396	.118	29.278	30.23	37.0	33.5	28	70	.150	42.8	27.6	SE	7			0	8	A St	NW	Cloudy			CCS	15
16	70.0	29.023	.118	28.905	29.83	53.0	52.0	51	94	.373	53.0	36.0	S	6			.30	10	Nb	S	Lt. Rain			CCS	16
17	71.0	29.037	.120	28.917	29.84	60.0	57.5	56	86	.448	63.1	56.0	SW	14			.04	10	StCu	SW	Cloudy	B-2:30a E-8:00a	B-DNA E-7:30a	CCS	17
18	70.5	28.952	.119	28.833	29.74	61.1	58.6	57	86	.465	63.4	60.5	S	13			.25	10	St	S	Cloudy			CCS	18
19	69.0	29.540	.117	29.423	30.37	37.0	35.0	32	83	.180	54.0	37.0	NW	13	30	NW	.14	8	StCu	NW	Cloudy			CCS	19
20	69.0	29.456	.117	29.339	30.29	39.0	37.5	36	88	.211	40.3	30.6	SE	3			0	7	A St	W	Pt. Cloudy			P.M.H.	20
21	69.0	29.413	.117	29.296	30.25	44.3	40.3	35	71	.203	51.9	35.0	SW	8			0	6	A St	NW	Pt. Cloudy			CCS	21
22	71.0	29.542	.122	29.420	30.38	34.0	33.0	32	90	.180	39.2	33.0	NE	13			0	10	St	NE	Cloudy	B-7:35a E-10:45a	B-6:35a E-7:52a	CCS	22
23	70.0	29.220	.118	29.102	30.05	40.5	38.0	34	83	.195	40.8	33.0	E	4			T	10	Nb	E	Lt. Rain			P.M.H.	23
24	68.5	29.455	.115	29.340	30.29	38.0	36.2	33	85	.187	44.4	38.0	NW	14			T	10	St	NW	Cloudy			P.M.H.	24
25	70.5	29.256	.120	29.136	30.09	42.0	39.0	35	77	.203	44.5	31.0	SE	5			0	10	St	SE	Cloudy			P.M.H.	25
26	71.0	29.100	.120	28.980	[illegible]	49.0	48.5	48	96	[illegible]	49.0	42.0	SW	[illegible]			.01	10	St	SW	[illegible]			[illegible]	26
27	69.0	29.083	.115	[illegible]	29.91	45.0	44.0	43	93	[illegible]	47.8	45.5	NE	[illegible]			T	10	Nb	NE	[illegible]	B-DNA E-DNA	B-DNA E-3:30p	P.M.H.	27
28	71.0	29.326	.121	29.205	30.14	33.0	32.0	31	90	.172	36.6	33.0	N	[illegible]			0	10	St	N	Cloudy			CCS	28
29	69.0	29.184	.116	29.068	30.02	41.3	38.8	35	80	.203	45.8	33.3	SW	12			0	4	StCu	SW	Pt. Cloudy			[illegible]	29
30	71.0	29.085	.120	28.965	29.90	49.0	45.5	42	77	.266	49.0	30.0	S	12			T	7	StCu	S	Pt. Cloudy	B-10:15a E-3:00p	B-DNA E-10:15a	P.O.S.	30
31																									31
Sums	(a)	(a)	(a)	873.756	902.10	1250.4	1178.5	1091	2437	6.711	(a)	(a)	(a)	267	(a)	(a)	0.99	231	(a)	(a)	(a)	5	5	(a)	(a)
Means	(a)	(a)	(a)	29.125	30.070	41.7	39.3	36.4	81.2	.224	(a)	(a)	(c) N	8.9	(a)	(a)	(a)	7.7	U 2.5 St L St	U NW L S	(a)	(a)	(a)	(a)	(a)

Observations are begun about 7.40 o'clock, 75th meridian time.

† By dial when self-register is out of order. †† T indicates trace of precipitation. U, upper clouds. L, lower clouds.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at _____, for the Month of _____, 1921.

Date.	Temperature. Maximum. (b)	Minimum. (b)	Range. (b)	Change. (b)	Mean (max. and min.). (b)	Normal.	Departure.	Total excess or deficiency since 1st of month.	Precipitation. Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Total (mid. to mid.). (b) ††	Normal.	Departure.	Total excess or deficiency since 1st of month.	Hail and sleet unmelted. 7 p.m. to 7 p.m. *‡‡	Snow unmelted. 7 p.m. to 7 p.m. *‡‡	Hail, sleet, and snow on ground at 7 p.m. *‡‡	Amount of precipitation from melted snow (mid. to mid.).	Date.
	°	°	°	°	°																In.				In.	In.	In.	In.	
1	56	36	20	8	46				R	DNA	DNA										.01				0	0	0	0	1
2	48	31	17	6	40																0				0	0	0	0	2
3	48	32	16	0	40																0				0	0	0	0	3
4	60	37	23	8	48																0				0	0	0	0	4
5	45	36	9	8	40																0				0	0	0	0	5
6	55	35	20	6	45																0				0	0	0	0	6
7	45	32	13	7	38																0				0	0	0	0	7
8	46	31	15	0	38																0				0	0	0	0	8
9	33	31	2	6	32				R	2:12a	2:33a	R+S[c]	2:33a	3:25a	R+S[m]	3:25a	7:10a	S[m]	8:25a	5:17p	.22				T	0.3	0.3	.04	9
10	40	32	8	4	36				R	9:10p	DNP										T				0	0	0	0	10
11	37	25	12	5	31				R	DNA	DNA	S[m]	DNA	7:45p							.22				0	2.0	2.0	.18	11
12	35	19	16	4	27				S[m]	9:50p	Cont'd										.01				0	T	1.0	.01	12
13	38	28	10	6	33				S[m]	Cont'd	10:40a										.08				0	1.1	0.6	.08	13
14	37	30	7	1	34																0				0	0	T	0	14
15	43	28	15	2	36																0				0	0	0	0	15
16	54	33	21	8	44				R	8:42a	9:10a	R	2:20p	8:30p							.34				0	0	0	0	16
17	63	54	9	14	58				R	9:15a	10:02a										.04				0	0	0	0	17
18	63	52	11	0	58				R	12:10a	DNA	R	6:40a	10:57a	R	3:15p	6:25p	R	8:20p	Cont'd	1.15				0	0	0	0	18
19	54	34	20	14	44				R	Cont'd	10:24a	R	2:07p	3:04p							.90				0	0	0	0	19
20	40	31	9	8	36																0				0	0	0	0	20
21	52	34	18	7	43																0				0	0	0	0	21
22	42	32	10	6	37																0				0	0	0	0	22
23	43	32	11	1	38				R	5:20p	Cont'd										.04				0	0	0	0	23
24	47	34	13	2	40				R	Cont'd	7:45a										.28				0	0	0	0	24
25	44	30	14	3	37				R	10:00p	Cont'd										.04				0	0	0	0	25
26	50	39	11	7	44				R	Cont'd	6:20a	R	6:50a	7:23a	R	9:11a	11:18a				.15				0	0	0	0	26
27	50	42	8	2	46				R	6:00p	DNF																		27
28	42	31	11	10	36																0				0	0	0	0	28
29	46	31	15	2	38																0				0	0	0	0	29
30	49	29	20	1	39				R	9:42a	10:10a										T				0	0	0	0	30
31																													31
S	1405	1001	404	155	1202		Total excess or deficiency since January 1,		(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	3.54		Total excess or deficiency since January 1,		T	3.4	(a)	(a)	(a)
M	46.8	33.4	13.5	5.2	40.1	(a)			(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)			(a)	(a)	(a)	(a)	(a)

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, S[d]—dry snow, S[m]—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths.

ϕ Estimated.

SUMMARY FOR THE MONTH OF November, 1921.

The 8 a.m. and 8 p.m. means of pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian time. All other data are in the standard of time in local use.

PRESSURE.

(Correction to reduce to a 24-hour mean -.067.)

STATION. Mean. 8 a.m.	8 p.m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.
29.126	29.125	29.126	29.570	20	28.790	19	0.780
Corrected mean		29.119					

REDUCED. Mean. 8 a.m.	8 p.m.	Monthly. (g)	Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.
30.068	30.070	30.069	30.54	20	29.70	19	0.84
Corrected mean		30.062	3,500-ft			10,000-ft	

TEMPERATURE.

Mean. Dry. 8 a.m.	8 p.m.	(8+8)÷2 (g)	Wet. 8 a.m.	8 p.m.	Monthly. (g)	Max.	Min.	Monthly. (g)	Sea-level. (g)	3,500-ft. (g)	10,000-ft. (g)	Highest. (i)	Date. (i)	Lowest. (i)	Date. (i)	Absolute range.	Greatest daily range. (i)	Date. (i)	Least daily range. (i)	Date. (i)
37.0	41.7	39.4	35.9	39.3	37.6	46.8	33.4	40.1				63	18	19	12	44	23	4	2	9

Dew-point. 8 a.m.	8 p.m.	Monthly. (g)	Relative humidity. 8 a.m.	8 p.m.	Monthly. (g)	Vapor pressure. 8 a.m.	8 p.m.	Monthly. (g)
34.4	36.4	35.4	89.4	81.2	85.3	.210	.224	.217

Number of days with—(j) Maximum. 32° or below.	90° or above.	Minimum. 32° or below.	Zero or below.
0	0	18	0

Clouds.

Most frequent clouds St-cu & St.

Most frequent direction upper clouds NW

Most frequent direction lower clouds SW

WIND.

Total movement (mid. to mid.).	Average hourly velocity.	Prevailing direction. (p)	Maximum velocity. (r)	Direction. (r)	Date. (r)	N.	NE.	E.	SE.	S.	SW.	W.	NW.	Calm.
6841	9.5	SW	38	SW	4	10	8	5	6	9	13	1	8	0

WEATHER.

Mean Cloudiness. 8 a.m.	8 p.m.	Monthly. (t)	Sunshine. Percentage of possible.	Number of Days. Clear.	Partly cloudy.	Cloudy.	Number of Days with Precipitation (Mid. to Mid.). Clear. (u)	Partly cloudy. (u)	Cloudy. (u)
6.7	7.7	8.2	24	1	8	21	0	3	11

MISCELLANEOUS PHENOMENA.

Dates of—(Midnight to Midnight).

Frosts. Light.	Heavy.	Killing.	Thunderstorms. (v)	Winds. (40 miles or over.)	Solar Halos.	Lunar Halos.	Fog. Light.	Dense.	Haze. Light.	Dense.	Smoke. Light.	Dense.	Hail.	Aurora.
—	—	—	18	0	1,8	0	7,17,22, 27,30	7,17,22, 27,30	0	0	0	0	0	0

PRECIPITATION (in inches and hundredths). (m)

Total amount.	Greatest amount in 24 consecutive hours. Amt.	Date. (k)	Excessive. 2.50 inches in 24 hours. (l) * Amt.	Duration. h. m.	Date. (k)	1 inch per hour. (l) Amt.	Duration. h. m.	Date. (k)	Number of days with—(Mid. to Mid.). Trace.	.01 or more.	.04 or more.	.25 or more.	1.00 or more.	Total.	Snow. Trace or more.	.01 or more melted.	Snow. Total depth. (o)	Average depth at end of month.
3.54	1.45	⊗ 18-19	0			0			2	14	12	4	1	16	4	4	3.4	0.

(w) Maximum precipitation in 5 minutes —, date —; 10 minutes —, date —; 15 minutes —, date —;

30 minutes —, date —; 1 hour —, date —; 2 hours —, date —.

⊗ from 7 am 18th to 7 am 19th

EXCESSIVE.

Date.	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amt. before excessive began.	Accumulated depths during excessive rate for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Tipping bucket raingage removed from roof because of freezing temperatures at 3:30 pm. 19th.

* The duration is the time precipitation was actually recorded.

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Prepared by T. C. Schick, P. M. C. Donovan, Weather Bureau.

(6)

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at ....., for the Month of ....., 1921

Number of Station barometer, 656; sum of corrections, -.009 inch.

Date.	Time. 75th mer.	Time. Local (standard).	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.)	Barometer. Reduced to sea-level.	Thermometers. Dry.	Thermometers. Wet.	Dew-point.	Depression of the dew-point.	Relative humidity.	Maximum thermometer.	Wind. Direction.	Wind. Velocity. †	Wind. Max. since last observation.	Wind. Direction.	Precipitation. ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Special Phenomena.	Initials of Observer.	Date.
SPECIAL OBSERVATIONS.																									
17	12.00 Noon	11.00 a.m.	72.0	28.989	.123	28.866	29.79	62.0	60.0	59	3	89	62.0	S	12			.04	10	StCu	SW	Cloudy	Ordered by C.O.	CWS	17
21	12.00 Noon	11.00 a.m.	68.5	29.409	.115	29.292	30.24	43.1	39.8	36	7	76	43.1	SW	12			0	8	ASt	NW	Cloudy	Ordered by C.O.	CWS	21
24	12.00 Noon	11.00 a.m.	68.5	29.231	.114	29.117	30.06	41.2	40.0	39	2	90	44.4	NW	12			T	10	St	NW	Cloudy	Ordered by C.O.	CWS	24
Pressure Extremes.																									
19	8.30 a.m.	7.30 a.m.				28.790	29.70	54.0																	19
20	10.30 a.m.	9.30 a.m.				29.570	30.54	33.0																	20

If additional space is required, rule a sheet similar to this, and paste to this margin. † By dial when self-register is out of order. †† T indicates trace of precipitation.

8—154

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of NOV, 1921

Wind—Number of Miles and Length of Time From. (Standard of time in local use, 90 meridian.)

DATE.	N.		NE.		E.		SE.		S.		SW.		W.		NW.		CALM.		TOTAL.	
	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.
1																				
2																				
3																				
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26																				
27																				
28																				
29																				
30																				
31																				
SUM.																				
PERCENTAGE																			a	a
AVG. HOURLY VELOCITY		a		a		a		a		a		a		a		a		a		a

8—154

Form No. 1001—Met'l.

U. S. DEPARTMENT OF AGRICULTURE,

WEATHER BUREAU.

ORIGINAL MONTHLY RECORD

OF

OBSERVATIONS

AT

Fort Wayne, Ind.

For the Month of _____, 192 1.

*Station is supplied with a barograph, thermograph, sunshine recorder, and self-recording rain gage.

†No. of dry thermometer in use, 69446; No. of wet thermometer in use, 77311; No. of maximum thermometer in use, 18656; No. of minimum thermometer in use, 14577

†Elevation above ground of the dry thermometer, 113 feet; rain gage, 107 feet; anemometer, 124 feet.

If the office has been moved during the month, give date —; amount of change in height of barometer, — feet (higher or lower).

No. of extra barometer, 675; sum of corrections, -.017; date and observation upon which use of station barometer commenced, May 20, 1911 7 am., station elevation, 856 feet; actual elevation, 856 feet.

Location of office: Number Corner of Berry & Calhoun streets room 911-912 Shoaff Building first observation taken in present office, 7 00 a m. May 20, 1911

*Cancel words that are not appropriate. †To be entered only in December unless changes are made during the year. Changes made during the year will be noted in the appropriate months. 8—152

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at _____, for the Month of _____. 192/

Number of Station barometer, 656; sum of corrections, −.009 inch.

OBSERVATIONS AT 8 A. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 A. M. 90 MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:12 A. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Self-reg. ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 a. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.		Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.							
1	68.5	29.100	.114	28.986	29.93	44.0	42.0	40	85	.247	49.0	42.3	S	8			0	9	St Cu	SW	Cloudy		BCS	1
2	70.0	28.485	.116	28.369	29.28	55.0	53.6	52	92	.387	56.0	53.1	S	16			.30	9	St Cu	S	Cloudy		BCS	2
3	68.0	29.342	.113	29.229	30.17	33.0	30.0	25	71	.130	36.0	32.6	NW	9			0	10	St Cu	NW	Cloudy		BCS	3
4	67.0	29.206	.110	29.096	30.05	29.0	27.5	25	83	.120	31.5	29.0	NE	5			0	10	A St	NW	Cloudy		BCS	4
5	66.5	28.900	.108	28.792	29.73	33.0	31.2	28	82	.150	33.9	29.4	NW	17	25	NW	.10	10	St Cu	NW	Cloudy		BCS	5
6	66.0	29.159	.108	29.051	30.00	32.2	30.6	28	84	.150	34.0	31.2	SW	8			0	10	St	SW	Cloudy		BCS	6
7	68.0	29.422	.114	29.308	30.27	27.8	26.0	23	79	.118	36.8	27.5	NE	5			0	5	A St	NW	Pt. Cloudy		BCS	7
8	71.0	29.359	.121	29.238	30.18	34.0	32.0	29	81	.157	36.2	33.0	SW	3			0	10	St Cu	N	Cloudy		BCS	8
9	67.0	29.423	.111	29.312	30.27	30.0	28.5	26	84	.136	33.0	28.2	W	8			0	10	St	W	Cloudy		BCS.	9
10	65.0	28.983	.104	28.879	29.83	34.0	32.6	30	87	.164	34.0	29.2	SW	12			0	3	A St	SW	Clear		BCS	10
11	68.0	28.967	.112	28.855	29.81	33.2	31.7	29	85	.157	40.0	32.2	SW	10			0	9	A Cu	NW	Cloudy		BCS	11
12	69.5	28.936	.116	28.820	29.76	33.0	30.1	25	72	.130	41.0	32.6	NW	10			.02	10	St Cu	NW	Cloudy		BCS	12
13	68.0	28.737	.111	28.626	29.56	35.9	33.2	30	76	.164	38.3	33.0	NW	12	26	NW	.06	10	St Cu	N	Cloudy		BCS	13
14	69.5	28.874	.115	28.759	29.70	32.0	31.8	32	98	.180	34.6	31.6	NE	6			.12	10	Nb	NE	Lt. Snow		BCS	14
15	69.0	29.490	.117	29.373	30.33	34.0	32.8	31	88	.172	34.7	32.7	SW	5			T	10	St Cu	NW	Cloudy		BCS	15
16	70.0	29.388	.119	29.269	30.22	38.0	34.6	30	72	.164	40.0	36.9	SE	15			0	10	St Cu	SW	Cloudy		BCS	16
17	69.5	28.899	.116	28.783	29.70	54.0	51.7	49	86	.347	54.0	48.2	S	28	32	S	.02	10	Nb	S	Lt. Rain		BCS	17
18	63.0	29.182	.100	29.082	30.04	17.6	15.4	9	65	.060	36.0	16.6	SW	19	41	SW	.09	Few	Cu	SW	Clear		BCS	18
19	65.0	29.574	.106	29.468	30.43	25.6	23.6	20	75	.103	29.8	25.6	SW	4			0	7	A St	NW	Pt. Cloudy		BCS	19
20	67.0	29.400	.111	29.289	30.25	25.6	25.0	24	93	.124	31.0	24.0	E	2			0	2	Lt. Smoke	E	Clear		BCS	20
21	69.5	29.467	.118	29.349	30.30	29.0	27.6	25	84	.130	37.0	29.0	NW	17			0	10	St Cu	NW	Cloudy		BCS	21
22	69.5	29.468	.118	29.350	30.32	17.3	16.0	12	79	.070	18.4	15.4	E	10			0	5	A St	NW	Pt. Cloudy		BCS	22
23	70.0	29.090	.118	28.972	29.92	31.3	30.3	29	89	.157	31.9	26.2	NW	4			.01	10	St	NW	Cloudy		BCS	23
24	69.0	29.235	.116	29.119	30.07	25.0	23.6	21	82	.108	31.8	24.6	NE	14			.16	10	St Cu	NE	Cloudy		BCS	24
25	68.0	29.653	.115	29.538	30.52	12.4	11.0	6	72	.052	20.0	12.2	N	4			T	2	A St	NW	Clear		BCS	25
26	68.0	29.498	.114	29.384	30.35	27.0	25.7	23	84	.118	27.0	22.0	SW	10			0	10	St	SW	Cloudy		BCS	26
27	67.5	29.510	.113	29.397	30.37	23.0	22.7	22	96	.113	29.3	23.0	W	6			0	0	0	0	Clear		BCS	27
28	69.0	29.478	.117	29.361	30.33	20.7	20.6	18	90	.093	25.4	18.7	SE	5			0	5	A Cu	NW	Pt. Cloudy		BCS	28
29	68.0	29.395	.114	29.281	30.24	28.0	26.5	24	82	.124	34.8	28.0	W	22	29	N	T	9	St Cu	NW	Cloudy		BCS	29
30	70.0	29.380	.119	29.261	30.22	24.2	22.8	20	82	.103	25.4	22.8	SW	9			0	8	A St	W	Cloudy		BCS	30
31	64.0	28.800	.101	28.699	29.64	36.8	34.8	27	66	.143	40.0	35.0	W	30	42	SW	T	10	St Cu	W	Lt. Snow		BCS	31
Sums		(a)	(a)	902.275	931.79	955.6	902.9	812	2544	4.581	(a)	(a)	(a)	333	(a)	(a)	0.88	241	(a)	(n)	(a)		(a)	(a)
Means		(a)	(a)	29.106	30.058	30.8	29.1	26.2	82.1	.148	(a)	(a)	(c) SW	10.7	(a)	(a)	(a)	7.8	U A St. L St. Cu.	U NW L NW	(a)		(a)	(a)

Reference letters in this form refer to paragraph 121, "Instructions for Preparing Meteorological Forms."

† By dial when self-register is out of order.

†† T indicates trace of precipitation.

U, upper clouds. L, lower clouds.

8—154

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at _____, for the Month of _____, 192_

Number of Station barometer, 6.56; sum of corrections, -.009 inch.

OBSERVATIONS AT 8 P. M. 75TH MERIDIAN TIME, WHICH CORRESPONDS TO 7:00 P. M. 90° MERIDIAN TIME, THE STANDARD OF TIME IN LOCAL USE; 7:12 P. M. LOCAL MEAN TIME.

Date.	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.) (b)	Barometer. Reduced to sea-level. (b)	Thermometers. Dry. (b)	Thermometers. Wet. (b)	Dew-point. (b)	Relative humidity. (b)	Vapor pressure. (b)	Self-reg. ther's. Max. (b)	Self-reg. ther's. Min. (b)	Wind. Dir.	Wind. Velocity. (b) †	Wind. Max. during preceding 12 hours.	Wind. Dir.	Precipitation. Amt. at 8 p. m. (b) ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Fog, Mid. to Mid. (local standard time). Light. (f)	Fog, Mid. to Mid. (local standard time). Dense. (f)	Initials of observer.	Date.
		In.		In.	In.	°	°	°	%	In.	°	°		Mi.	Mi.		In.								
1	71.0	28.874	.119	28.755	29.68	56.0	51.0	47	71	.322	60.4	44.0	S	9			T	10	St	S	Cloudy			P. McD.	1
2	69.5	29.013	.116	28.897	29.83	36.0	34.0	31	82	.172	55.6	36.0	W	16	32	NW	.05	10	St	NW	Cloudy			P. McD.	2
3	69.0	29.368	.116	29.252	30.20	31.8	29.4	26	75	.136	34.2	31.8	N	7			0	8	StCu	N	Cloudy			P. McD.	3
4	70.5	29.001	.119	28.882	29.83	33.0	30.0	25	71	.130	38.2	29.0	SW	14			0	7	ASt	W	Pt. Cloudy			[illegible]	4
5	68.0	29.100	.112	28.988	29.94	34.0	33.5	33	95	.187	34.2	31.6	NW	12	26	W	.01	10	St	NW	Cloudy			P. McD.	5
6	70.0	29.275	.119	29.156	30.10	36.8	35.2	33	86	.187	41.8	32.2	N	3			0	0	0	0	Clear			P. McD.	6
7	70.5	29.406	.121	29.285	30.24	36.2	34.0	31	81	.172	37.7	27.8	NE	3			0	10	St	NE	Cloudy			P. McD.	7
8	71.0	29.318	.121	29.197	30.14	33.0	30.0	25	71	.130	37.0	31.6	W	8			T	10	St	W	Cloudy			P. McD.	8
9	71.0	29.280	.121	29.159	30.11	29.8	27.8	25	78	.130	32.9	29.8	SW	10			0	0	0	0	Clear			P. McD.	9
10	70.0	29.002	.118	28.884	29.83	40.0	38.0	35	84	.203	47.2	34.0	W	12			0	0	0	0	Clear			P. McD.	10
11	72.0	28.707	.122	28.585	29.51	41.0	39.1	37	85	.219	41.2	33.2	SW	5			.10	10	Nb	SW	Lt. Rain			[illegible]	11
12	71.0	28.695	.119	28.576	29.51	33.0	32.0	31	90	.172	36.7	32.6	S	12			.02	10	St	S	Cloudy			P. McD.	12
13	70.5	28.886	.119	28.767	29.71	34.6	33.2	31	87	.172	36.8	33.2	SW	4			T	10	Nb	SW	Lt. Snow			P. McD.	13
14	71.5	29.290	.122	29.168	30.11	34.4	33.9	33	95	.187	34.4	29.5	W	4			.02	10	StCu	W	Cloudy			P. McD.	14
15	71.5	29.545	.123	29.422	30.38	40.0	37.8	35	82	.203	44.0	34.0	SE	6			0	8	ACu	NW	Cloudy			P. McD.	15
16	72.0	29.148	.124	29.024	29.96	48.2	47.2	46	93	.310	50.6	38.0	SW	18	26	S	.04	10	Nb	SW	Lt. Rain			P. McD.	16
17	72.0	28.718	.122	28.596	29.52	36.0	35.0	34	91	.195	54.0	36.0	SW	37	42	SW	.40	8	StCu	W	Cloudy			P. McD.	17
18	66.5	29.449	.110	29.339	30.30	29.8	27.8	25	78	.130	32.9	19.6	SW	7	28	SW	0	10	ASt	NW	Cloudy			[illegible]	18
19	70.5	29.542	.121	29.421	30.38	31.0	29.0	26	79	.136	34.3	24.8	E	8			0	0	0	0	Clear			P. McD.	19
20	72.5	29.372	.125	29.247	30.20	37.0	34.6	31	80	.172	39.0	25.6	NW	5			0	10	St	NW	Cloudy			P. McD.	20
21	73.5	29.612	.129	29.483	30.45	18.4	15.6	7	56	.054	29.0	12.4	NE	9			T	8	StCu	NE	Cloudy			P. McD.	21
22	72.0	29.142	.124	29.018	29.98	26.2	24.4	21	78	.108	27.0	17.3	SE	6			T	10	Nb	SE	Sprinkling			P. McD.	22
23	72.0	29.112	.123	28.989	29.94	31.8	31.2	31	94	.172	33.2	30.4	NE	8			.10	10	Nb	NE	Lt. Rain			P. McD.	23
24	71.5	29.510	.123	29.387	30.36	20.0	19.0	17	85	.089	25.0	19.8	N	8			.03	10	Nb	N	Lt. Snow			[illegible]	24
25	72.5	29.630	.127	29.503	30.47	23.6	22.6	21	87	.108	23.6	12.4	SW	6			T	10	St	SW	Cloudy			[illegible]	25
26	71.0	29.432	.122	29.310	30.27	29.3	28.8	28	94	.150	30.6	27.0	SW	7			0	10	St	SW	Cloudy			[illegible]	26
27	72.5	29.605	.126	29.479	30.45	25.4	24.0	22	83	.113	29.3	21.6	N	4			0	0	0	0	Clear			P. McD.	27
28	73.0	29.136	.126	29.010	29.96	34.8	32.8	30	82	.164	35.0	20.7	SW	9			T	4	StCu	SW	Pt. Cloudy			P. McD.	28
29	73.0	29.582	.127	29.455	30.43	25.4	23.2	19	73	.098	28.0	25.0	W	3			T	0	0	0	Clear			P. McD.	29
30	74.5	29.040	.129	28.911	29.86	35.0	31.0	25	64	.130	37.0	24.2	S	14			0	10	StCu	S	Cloudy			P. McD.	30
31	69.5	29.100	.116	28.984	29.93	31.0	30.0	29	89	.157	37.0	30.4	W	18	36	W	T	10	Nb	W	Lt. Snow			[illegible]	31
Sums		(a)	(a)	902.129	931.58	1032.5	975.1	890	2539	5008	(a)	(a)	(a)	292	(a)	(a)	0.77	233	(a)	(a)	(a)		0	0	(a)	(a)
Means		(a)	(a)	29.101	30.051	33.3	31.5	28.7	81.9	.162	(a)	(a)	(c) SW	9.4	(a)	(a)	(a)	7.5	U St. U NW L St. L SW		(a)		(a)	(a)	(a)	(a)

Observations are begun about 7.40 o'clock, 75th meridian time.

† By dial when self-register is out of order. †† T indicates trace of precipitation. U, upper clouds. L, lower clouds.

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ORIGINAL MONTHLY RECORD OF OBSERVATIONS at ....., for the Month of ....., 192

Date.	Temperature. Maximum. (b)	Minimum. (b)	Range. (b)	Change. (b)	Mean (max. and min.). (b)	Normal.	Departure.	Total excess or deficiency since 1st of month.	Precipitation. Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Character. ‡	Beginning.	Ending.	Total (mid. to mid.). (b) ††	Normal.	Departure.	Total excess or deficiency since 1st of month.	Hail and sleet unmelted. 7 p.m. to 7 p.m. *‡‡	Snow unmelted. 7 p.m. to 7 p.m. *‡‡	Hail, sleet, and snow on ground at 7 p.m. *‡‡	Amount of precipitation from melted snow (mid. to mid.).	Date.
	°	°	°	°	°																In.				In.	In.	In.	In.	
1	60	42	18	12	51				R	11:00A	11:07A	R	4:30P	5:30P	R	7:10p	D.N.P.				T				0	0	0	0	1
2	56	35	21	5	46				R	DNA	DNA	R	8:23a	9:40a	R	10:59a	11:17a	R	4:06p	6:10p	.35				0	0	0	0	2
3	33	31	2	13	33																0				0	0	0	0	3
4	38	29	9	1	34				S^m	8:30p	Cont'd										ϕ.04				0	0	0	ϕ.04	4
5	34	29	5	2	32				S^m	Cont'd	6:21a	S^m	7:24a	6:10p							ϕ.07				0	1.1	0.3	ϕ.07	5
6	42	31	11	4	36																0				0	0	T	0	6
7	38	28	10	3	33																0				0	0	0	0	7
8	37	28	9	1	32				R	2:30p	2:35p										T				0	0	0	0	8
9	33	28	5	2	30																0				0	0	0	0	9
10	47	30	17	8	38																0				0	0	0	0	10
11	41	32	9	2	36				R	12:40p	DNP.										.12				0	0	0	0	11
12	38	33	5	0	36				S^m	2:30p	6:20p	S^m	6:62p	8:58p	R	8:58p	DNP				.08				0	0.2	T	ϕ.03	12
13	38	33	5	0	36				S^m	5:50p	Cont'd										ϕ.06				0	0.1	T	ϕ.06	13
14	34	30	4	4	32				S^m R	Cont'd 2:55p	10:02a 8:45p	R	4:35p	5:05p	S^m	5:20p	5:30p	H	5:30p	6:20p	ϕ.08				0	1.7	0.4	ϕ.07	14
15	44	33	11	6	38																0				0	0	0	0	15
16	50	37	13	6	44				R	7:20a	7:29a	R	10:28a	11:13a	R	12:11p	12:30p	R	2:08p	8:30p	ϕ.04				0	0	0	0	16
17	54	24	30	5	39				R	DNA	6:00p	S^d	8:45p	Cont'd							ϕ.45				0	0	0	ϕ.03	17
18	33	17	16	14	25				S^d	Cont'd	DNA										ϕ.06				0	1.4	1.0	ϕ.06	18
19	34	25	9	5	30																0				0	0	0.7	0	19
20	39	24	15	2	32																0				0	0	0.4	0	20
21	33	16	17	8	24				S^d	8:16a	1:60p										T				0	T	0.2	T	21
22	30	15	15	2	22				R	4:45p	10:30p										.01				0	0	T	0	22
23	33	30	3	10	32				R	4:35p	11:41p										ϕ.14				0	0	0	0	23
24	30	15	15	10	22				R	DNA	DNA	S^d	8:51a	12:46p	S^d	4:43p	7:35p	S^d	10:50p	Cont'd	ϕ.15				0	0.4	0.4	.03	24
25	24	12	12	4	18				S^d	Cont'd	DNA	S^d	12:45p	2:00p							T				0	T	0.4	T	25
26	31	22	9	8	26																0				0	0	0.3	0	26
27	29	21	8	1	25																0				0	0	0.1	0	27
28	35	19	16	2	27				S^m	3:15p	5:30p										T				0	T	T	T	28
29	35	23	12	2	29				S^d	DNA	6:18a	S^d	7:36a	8:11a							T				0	T	T	T	29
30	40	23	17	3	32																0				0	0	0	0	30
31	39	25	14	0	32				S^m	3:47a	7:36a	S^m	10:[illegible]a	4:00p	S^m	6:30p	Cont'd				T				0	T	T	T	31
S	1184	820	364	145	1002		Total excess or deficiency since January 1,		(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	.65		Total excess or deficiency since January 1,		0	4.9	(a)	(a)	(a)
M	38.7	26.5	11.7	4.7	32.3	(a)			(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)			(a)	(a)	(a)	(a)	(a)

All data are in the standard of time in local use. ‡ Use the following abbreviations: R—rain, S^d—dry snow, S^m—moist snow, H—hail, Sl—sleet. †† T indicates trace of precipitation. ‡‡ Enter the local standard time of observation. * Inches and tenths.

ϕ Estimated.

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SUMMARY FOR THE MONTH OF _____, 192

The 8 a.m. and 8 p.m. means of pressure, dry and wet thermometers, dew-point, humidity, vapor pressure, and mean cloudiness are in 75th meridian time. All other data are in the standard of time in local use.

PRESSURE.

(Correction to reduce to a 24-hour mean -.006.)

STATION.								REDUCED.							
Mean.			Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.	Mean.			Highest. (h)	Date.	Lowest. (h)	Date.	Absolute range.
8 a.m.	8 p.m.	Monthly. (g)						8 a.m.	8 p.m.	Monthly. (g)					
29.106	29.101	29.104	29.550	25	28.350	2	1.200	30.058	30.051	30.054	30.53	25	29.26	2	1.27
Corrected mean		29.098						Corrected mean		30.048	3,500-ft.			10,000-ft.	

TEMPERATURE.

Mean. Dry. 8 a.m.	Dry. 8 p.m.	Dry. (8+8)÷2 (g)	Wet. 8 a.m.	Wet. 8 p.m.	Wet. Monthly. (g)	Max.	Min.	Monthly. (g)	Sea-level. (g)	3,500-ft. (g)	10,000-ft. (g)	Highest. (i)	Date. (i)	Lowest. (i)	Date. (i)	Absolute range.	Greatest daily range. (i)	Date. (i)	Least daily range. (i)	Date. (i)
30.8	33.3	32.0	29.1	31.5	30.3	38.7	26.5	32.4				60	1	12	25	48	30	17	3	23

Dew-point. 8 a.m.	Dew-point. 8 p.m.	Dew-point. Monthly. (g)	Relative humidity. 8 a.m.	Relative humidity. 8 p.m.	Relative humidity. Monthly. (g)	Vapor pressure. 8 a.m.	Vapor pressure. 8 p.m.	Vapor pressure. Monthly. (g)
26.2	28.7	27.4	82.1	81.9	82.0	.148	.162	.155

Number of days with—(j) Maximum. 32° or below.	Maximum. 90° or above.	Minimum. 32° or below.	Minimum. Zero or below.
5	0	24	0

Clouds.

Most frequent clouds St. Cu.

Most frequent direction upper clouds NW

Most frequent direction lower clouds NW

WIND.

Total movement (mid. to mid.).	Average hourly velocity.	Prevailing direction. (p)	Maximum velocity. (r)	Direction. (r)	Date. (r)	Number of times wind observed from the— N.	NE.	E.	SE.	S.	SW.	W.	NW.	Calm.
7887	10.6	SW	42	SW	31	6	7	3	4	6	19	9	8	0

WEATHER.

Mean cloudiness. 8 a.m.	8 p.m.	Monthly. (t)	Sunshine. Percentage of possible.	Number of days. Clear.	Partly cloudy.	Cloudy.	Number of days with precipitation (mid. to mid.). Clear. (u)	Partly cloudy. (u)	Cloudy. (u)
7.8	7.5	8.0	23	4	5	22	1	1	11

MISCELLANEOUS PHENOMENA.

Dates of—(midnight to midnight).

Frosts. Light.	Heavy.	Killing.	Thunderstorms. (v)	Winds. (40 miles or over.)	Solar halos.	Lunar halos.	Fog. Light.	Dense.	Haze. Light.	Dense.	Smoke. Light.	Dense.	Hail.	Aurora.
—	—	—	0	17, 31.	0	0	0	0	0	0	20	0	0	0

PRECIPITATION (in inches and hundredths). (m)

Total amount.	Greatest amount in 24 consecutive hours. Amt.	Date. (k)	Excessive. 2.50 inches in 24 hours. (l) * Amt.	Duration. h. m.	Date. (k)	1 inch per hour. (l) Amt.	Duration. h. m.	Date. (k)	Number of days with—(mid. to mid.). Trace.	.01 or more.	.04 or more.	.25 or more.	1.00 or more.	Total.	Snow. Trace or more.	.01 or more melted.	Snow. Total depth. (o)	Average depth at end of month.
1.65	0.51	17-18	0			0			7	13	12	2	0	20	13	8	4.9	T

(w) Maximum precipitation in 5 minutes —, date —; 10 minutes —, date —; 15 minutes —, date —;

30 minutes —, date —; 1 hour —, date —; 2 hours —, date —.

EXCESSIVE.

Date.	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amt. before excessive began.	Accumulated depths during excessive rate for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Tipping bucket rain gage not exposed during the month.																				

* The duration is the time precipitation was actually recorded.

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Prepared by CDS

C. M. Donnegan, Meteorologist, Weather Bureau.

(6)

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at ....., for the Month of ....., 192

Number of Station barometer, 656; sum of corrections, -.004 inch.

SPECIAL OBSERVATIONS.

Date.	Time. 75th mer.	Time. Local (standard).	Barometer. Attached thermometer.	Barometer. Observed reading.	Barometer. Total correction.	Barometer. Station. (Observed reading plus total cor.)	Barometer. Reduced to sea-level.	Thermometers. Dry.	Thermometers. Wet.	Dew-point.	Depression of the dew-point.	Relative humidity.	Maximum thermometer.	Wind. Direction.	Wind. Velocity. †	Wind. Max. since last observation.	Wind. Direction.	Precipitation. ††	Clouds. Amt.	Clouds. Kind.	Clouds. Dir. from.	State of Weather.	Special Phenomena.	Initials of Observer.	Date.
2"	12 00 Noon	11 00 a.m.	70.0	28.620	.116	28.504	29.41	44.0	42.2	40	4	87	55.6	NW	22	27	W	.05	10	Nb	NW	Lt. Rain.	Ordered by C.O	CWS	2
20"	1 00 p.m.	12 00 Noon	70.5	29.342	.120	29.222	30.17	35.9	33.8	31	5	81	36.2	SW	5			0	10	Ast	NW	Cloudy	Ordered by C.O	CWS	20
21"	12 00 Noon	11 00 a.m.	72.0	29.567	.125	29.442	30.41	21.8	19.8	15	7	72	29.0	N	12	20	NW	T	10	Nb	N	Lt. Snow	Ordered by C.O	CWS	21"
24"	12 00 Noon	11 00 a.m.	71.0	29.327	.121	29.206	30.17	23.1	22.1	20	3	87	25.0	NE	12			.02	10	Nb	NE	Lt. Snow	Ordered by C.O	CWS	24

Extremes of Pressure

2d	9 00 a.m.	8 00 a.m.				28.350	29.26	56.0																	2d
25th	11 00 a.m.	10 00 a.m.				29.550	30.53	18.0																	25th

If additional space is required, rule a sheet similar to this, and paste to this margin. † By dial when self-register is out of order. †† T indicates trace of precipitation. 8—154

ORIGINAL MONTHLY RECORD OF OBSERVATIONS at Fort Wayne, Ind., for the Month of DEC, 1921

Wind—Number of Miles and Length of Time From. (Standard of time in local use, 90 meridian.)

DATE.	N.		NE.		E.		SE.		S.		SW.		W.		NW.		CALM.		TOTAL.	
	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.	MILES.	HOURS.
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28																				
29																				
30																				
31																				
SUM.																				
PERCENTAGE																			a	a
AVG. HOURLY VELOCITY		a		a		a		a		a		a		a		a		a		a

S—154

Form No. 1002—Met'l.

U. S. Department of Agriculture,
WEATHER BUREAU.

ANNUAL METEOROLOGICAL SUMMARY

FOR

1921

STATION

Fort Wayne, Indiana

LOCATION OF OFFICE DECEMBER 31, 1921

Street, Corner of Calhoun & Berry

Number, 911-912 Shoaff Building

Room, 911-912

SUM OF BAROMETER CORRECTIONS.

From 8 00 a m Jan. 1 to 8 00 p m Dec. 31 inc., -.09 in.

From — m. — to — m. —, inc., — in.

From — m. — to — m. —, inc., — in.

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NOON, LOCAL MEAN TIME, OBSERVATION.

AVERAGES.

Month.	Temperature. Dry. (d)	Temperature. Wet. (d)	Dew-Point. (e)	Relative Humidity. (e)	Vapor Pressure. (c)	Clouds. Amount. (d)	Clouds. Most Frequent Kind, Upper.	Clouds. Most Frequent Kind, Lower.	Clouds. Most Frequent Direction of Upper.	Clouds. Most Frequent Direction of Lower.
Jan.,	34.3	31.1	26	71	.149	6.9	a.st.	st.cu	NW	SW NW
Feb.,	35.2	31.9	27	71	.151	7.9	a.st	st.cu	NW	SW
Mar.,	49.4	44.1	38	67	.254	7.1	a.st.	st.cu.	W	SW
Apr.,	58.8	49.9	42	58	.284	6.2	ci.st a.st	Nb	W	SW
May,	69.4	58.3	50	53	.391	4.7	a.st	cu.	NW	N
June,	80.1	67.8	61	54	.559	5.3	a.st.	cu.	NW	W
July,	86.7	69.0	59	41	.519	4.5	a.st	cu	NW	NE NW
Aug.,	77.6	64.2	56	49	.465	5.0	a.st.	cu.	W	NW
Sept.,	75.4	65.3	59	60	.522	5.6	a.st	cu	NW	SW
Oct.,	58.4	52.3	48	70	.334	6.1	ci.st	st.cu	NW	SW NW
Nov.,	42.7	40.0	37	80	.228	7.8	ci.st a.cu a.st	st.cu	NW	SW NW
Dec.,	34.5	31.7	27	73	.153	7.5	a.st.	cu st.cu	NW	NW
Sum,	702.5	605.6	530	747	4.009	74.6	- - -	- - -	- - -	- - -
Mean,	58.5	50.5	44	62	.334	6.2	a.st.	cu. st.cu	NW	SW

(d) To tenths. (e) To whole numbers. (c) To thousandths.

ANNUAL METEOROLOGICAL SUMMARY FOR 1921.—STATION Fort Wayne, Indiana

Latitude N. 41° 5′. Longitude W. 85° 10′. Local time — h. 41 min. (t) Slower than 75th meridian normal time.

MONTH.	STATION PRESSURE. (Corrected for temperature, instrumental error, gravity, and removal.) Station Elevation of Barometer Cistern Above Mean Sea-Level, 856 Feet. Mean. 8 a. m. (c) In.	Mean. 8 p. m. (c) In.	Mean. Corrected monthly. (c) In.	Highest observed. (c) In.	Date.	Lowest observed. (c) In.	Date.	Absolute range. (c) In.	TEMPERATURE. Elevation of Dry Thermometer Bulb Above Ground on Dec. 31, 113 Feet. Mean. 8 a. m. (d) °	Mean. 8 p. m. (d) °	From Self-Registering Instruments. Mean. Max. (d) °	Mean. Min. (d) °	Mean. Monthly. (d) °	Highest. (e) °	Date.	Lowest. (e) °	Date.	Range. Absolute. (e) °	Range. Mean daily. (d) °	Mean daily change. (d) °	No. of Days. Max. 32° or below.	Max. 90° or above.	Min. 32° or below.
Jan.,	29.219	29.213	29.211	29.960	18	28.600	1	1.360	29.2	32.5	38.0	25.3	31.6	54	1	11	18	43	12.7	6.2	8	0	23
Feb.,	29.120	29.115	29.113	29.640	18	28.690	5	0.950	29.7	34.3	39.1	26.5	32.8	66	15	15	1	51	12.7	4.6	3	0	25
Mar.,	29.155	29.118	29.131	29.750	22	28.520	24	1.230	40.8	48.7	56.3	35.2	45.8	76	19	17	29	59	21.1	9.4	0	0	11
April,	29.099	29.084	29.087	29.520	11	28.489	22	1.031	48.8	55.9	63.2	44.8	54.0	81	6	27	11	54	18.4	6.5	0	0	6
May,	29.140	29.077	29.103	29.430	16	28.750	11	0.680	58.2	67.8	73.3	52.9	63.1	90	23	37	16	53	20.4	3.9	0	1	0
June,	29.118	29.061	29.086	29.470	5	28.790	28	0.680	68.6	76.8	83.6	62.6	73.1	91	17	43	5	48	21.0	3.7	0	3	0
July,	29.131	29.076	29.101	29.290	26	28.860	30	0.430	73.8	84.0	90.0	69.1	79.6	98	4	59	21	39	21.0	2.9	0	18	0
Aug.,	29.177	29.127	29.148	29.406	21	28.800	17	0.606	65.4	75.0	81.0	61.7	71.4	89	30	52	22	37	19.2	3.8	0	0	0
Sept.,	29.121	29.079	29.095	29.390	13	28.640	30	0.750	63.6	71.4	78.4	59.5	69.0	89	1	46	26	43	19.0	4.2	0	0	0
Oct.,	29.071	29.060	29.060	29.520	13	28.650	10	0.870	48.0	54.9	62.4	44.9	53.6	79	17	34	13	45	17.5	5.3	0	0	0
Nov.,	29.126	29.125	29.119	29.570	20	28.790	19	0.780	37.0	41.7	46.8	33.4	40.1	63	18	19	12	44	13.5	5.2	0	0	18
Dec.,	29.106	29.101	29.098	29.550	25	28.350	2	1.200	30.8	33.3	38.2	26.5	32.4	60	1	12	25	48	11.7	4.7	5	0	24
				a	a	a	a							a	a	a	a						
Sum,	349.583	349.236	349.352	Highest.	Date.	Lowest.	Date.	10.567	593.9	676.3	750.3	542.4	646.5	Max.	Date.	Min.	Date.	564	208.2	60.4	16	22	107
Mean,	29.132	29.103	29.113	29.960	Jan. 18	28.350	Dec. 2	0.881	49.5	56.4	62.5	45.2	53.9	98	July 4	11	Jan. 18	47	17.4	5.0	a	a	a

a Omit data from this space. c To thousandths. d To tenths. e To whole numbers. t Enter the word "faster" or "slower," as the case may be.

MONTH.	CORRECTED MEAN MONTHLY REDUCED PRESSURES AND MEAN MONTHLY REDUCED TEMPERATURES.						DEW-POINT.			RELATIVE HUMIDITY (Percentage).			VAPOR PRESSURE.			PRECIPITATION. (Amount in inches and hundredths.) ELEVATION OF TOP OF GAGE ABOVE GROUND DEC. 31, 107 FEET.									SNOWFALL (total depth).
	SEA-LEVEL.		3,500-FOOT.		10,000-FOOT.		MEAN.			MEAN.			MEAN.			TOTAL AMOUNT.	GREATEST AMOUNT IN ANY 24 CONSECUTIVE HOURS.		EXCESSIVE.						
																			2.50 inches in 24 hours. (g) (h)			1 inch per hour. (g)			
	Pressure. (c)	Temperature. (d)	Pressure. (b)	Temperature. (d)	Pressure. (b)	Temperature. (d)	8 a. m. (e)	8 p. m. (e)	Monthly. (e)	8 a. m. (e)	8 p. m. (e)	Monthly. (e)	8 a. m. (c)	8 p. m. (c)	Monthly. (c)		Amt.	Date.	Amt.	Dur't'n. (h. &m.)	Date.	Amt.	Dur't'n. (h. &m.)	Date.	
	In.	°	In.	°	In.	°	°	°	°	%	%	%	In.	In.	In.	In.	In.		In.			In.			In.
Jan.,	30.167						24	25	24	79	73	76	.135	.143	.139	2.11	0.84	21-22	0			0			6.0
Feb.,	30.063						25	28	27	82	78	80	.138	.158	.148	0.88	0.46	7	0			0			2.3
Mar.,	30.069						36	38	37	83	66	75	.230	.247	.238	5.09	1.19	27	0			0			T
April,	30.015						41	44	43	75	67	71	.271	.308	.290	3.14	0.56	7-8 a/so 22	0			0			1.8
May,	30.023						51	51	51	78	56	67	.395	.393	.394	2.54	1.07	24-25	0			0			0
June,	29.993						60	62	61	75	62	68	.542	.567	.554	3.58	1.06	25	0			1.00 1.00	0.49 0.30	18 25	0
July,	30.001						64	60	62	73	46	59	.610	.528	.569	1.00	0.39	19	0			0			0
Aug.,	30.063						58	58	58	78	57	68	.500	.499	.500	4.05	2.06	1-2	0			0			0
Sept.,	30.010						59	60	59	85	69	77	.509	.539	.524	2.88	0.61	4	0			0			0
Oct.,	29.988						43	47	45	84	76	80	.288	.329	.308	3.34	1.28	7	0			0			T
Nov.,	30.062						34	36	35	89	81	85	.210	.224	.217	3.54	1.45	18-19	0			0			3.4
Dec.,	30.048						26	29	27	82	82	82	.148	.162	.155	1.65	0.57	17-18	0			0			4.9
Sum,	360.507						521	538	529	963	813	888	3.976	4.097	4.036	33.80	a	a	a	a	a	a	a	a	18.4
Mean,	30.042						43	45	44	80	68	74	.331	.341	.336	a	2.06	Aug. 1-2	a	a	a	a	a	a	a

b To hundredths. g No entry unless the precipitation actually equaled or exceeded 2.50 inches in 24 consecutive hours, or 1 inch per hour, as the case may be. h The duration is the time precipitation was actually recorded.

Station Fort Wayne, Ind.

MONTH.	Mean Cloudiness. (0 to 10.) 8 a.m. (d)	8 p.m. (d)	Monthly. (d)	Hours of Sunshine. Total.	Possible.	Percentage.	Wind. Elevation of Anemometer Cups Above Ground Dec. 31, 124 Feet. Total Movement in Miles.	Prevailing Direction.	Maximum Hourly Velocity During Month. Miles.	From.	Date.	No. of Days with 40 Miles and Over. (h)	Direction. Number of Times Observed Blowing from the— N.	NE.	E.	SE.	S.	SW.	W.	NW.	No. of Calms.	Number of Days. Clear.*	Partly Cloudy.*	Cloudy.*	Precipitation. .01 inch and over.	.04 inch and over.	Snow, trace and over.	Snow, .01 inch and over.	Hail.	Dense Fog.	Thunderstorms.	Auroras.
Jan.,	6.9	4.7	6.7	126.5	298.2	42	8042	SW	38	W	16	0	4	8	5	3	7	22	5	8	0	6	8	17	11	10	12	5	0	2	0	0
Feb.,	7.1	6.7	8.2	98.5	298.2	33	6833	W	35	W	17	0	3	5	11	3	4	10	14	6	0	2	6	20	9	6	13	5	0	3	0	0
Mar.,	6.5	5.9	7.4	198.1	370.8	53	8545	SW	40	SW	6	1	3	4	13	5	5	18	1	13	0	4	9	18	16	12	3	0	0	2	7	0
April,	5.9	5.3	5.8	225.8	399.9	56	8040	SW	38	SW	27	0	6	5	1	4	19	14	6	5	0	10	4	16	15	12	3	3	0	0	2	0
May,	4.7	5.2	5.0	292.1	449.0	65	6071	N	30	SW	31	0	16	6	11	7	4	11	5	2	0	10	14	7	11	8	0	0	0	0	8	1
June,	4.2	4.9	5.3	342.7	452.0	76	5356	E	44	SW	18	1	4	8	12	10	7	8	8	3	0	10	12	8	10	10	0	0	1	0	10	0
July,	2.4	4.6	4.3	385.8	458.3	84	5095	SW	31	SW	27	0	5	15	5	3	8	14	3	9	0	9	20	2	5	4	0	0	0	0	5	0
Aug.,	5.3	4.4	5.2	290.0	426.9	68	5699	SW	34	NW	19	0	5	6	11	6	6	18	5	4	1	11	12	8	10	8	0	0	0	0	5	0
Sept.,	5.0	4.6	5.7	230.1	374.0	62	5861	SW	35	SW	22	0	7	3	5	7	6	18	7	7	0	6	16	8	12	12	0	0	0	1	9	0
Oct.,	5.0	4.7	5.4	170.4	344.1	50	7677	SW	29	W	19	0	3	2	8	2	11	20	10	6	0	10	11	10	10	7	1	0	0	3	2	0
Nov.,	6.7	7.7	8.2	71.7	297.0	24	6841	SW	38	SW	4	0	10	8	5	6	9	13	1	8	0	1	8	21	14	12	4	4	0	5	1	0
Dec.,	7.8	7.5	8.0	67.2	287.3	23	7887	SW	42	SW	31	2	6	7	3	4	6	19	9	8	0	4	5	22	13	12	13	8	0	0	0	0
Sum,	67.5	66.2	75.2	2498.9	4455.7	636	81947	a	a	a	a	4	72	77	90	60	92	185	74	79	1	83	125	157	136	113	49	25	1	16	49	1
Mean,	5.6	5.5	6.3	208.2	371.3	53	a	SW	44	SW	j June 18	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a	a

h Days with 40 miles per hour and over. j One entry only. * From sunrise to sunset.

8—272

Standard of normal time in local use, 90th meridian.

MONTH.	WIND. Mean Hourly Velocity. 1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	12 Noon.	1 p.m.	2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	12 Mid't.	For the Month.
Jan.,	9.6	9.9	10.0	10.4	10.3	10.6	10.3	10.6	11.2	12.1	12.6	13.1	13.5	12.9	12.5	11.7	10.7	9.8	9.7	9.4	9.3	9.8	10.1	9.3	10.8
Feb.,	9.3	9.9	10.5	10.2	10.0	9.7	9.4	9.8	10.6	10.8	11.1	11.3	11.7	11.8	11.0	10.9	10.3	9.4	8.8	8.8	9.5	10.0	9.7	9.6	10.2
Mar.,	9.9	10.1	10.5	10.0	10.4	9.9	10.0	11.3	12.7	12.8	12.9	13.8	13.8	13.6	14.2	14.0	12.8	11.1	10.3	9.8	10.2	10.5	10.7	10.4	11.5
April,	8.6	8.9	8.6	8.9	8.8	8.8	9.7	11.1	12.5	13.4	14.9	15.5	15.8	15.1	15.3	14.3	12.5	10.9	9.3	8.6	8.7	9.1	9.7	8.9	11.2
May,	6.5	6.4	6.2	6.2	6.4	6.5	7.0	8.5	8.5	9.9	10.5	10.5	11.0	10.8	10.7	10.7	10.3	9.3	6.8	6.6	6.8	6.7	6.7	6.4	8.2
June,	5.9	6.2	6.8	6.4	5.9	6.1	6.4	7.1	7.5	7.9	8.4	9.1	9.8	10.3	9.4	9.5	9.4	8.2	6.8	6.3	6.0	6.6	6.6	6.0	7.4
July,	4.9	5.1	4.7	4.6	4.7	4.8	6.0	6.8	7.2	8.1	8.2	8.5	9.1	9.8	9.9	10.0	9.1	8.2	6.6	5.6	5.8	5.8	5.5	5.4	6.8
Aug.,	5.6	5.8	5.9	5.9	5.8	5.6	6.7	7.6	8.5	9.1	9.5	9.6	10.3	10.4	10.3	10.4	9.7	8.2	6.6	6.2	6.6	6.8	6.6	5.9	7.7
Sept.,	6.6	7.0	7.2	6.8	6.8	7.2	7.0	8.0	9.2	9.1	9.4	9.9	10.2	10.7	11.3	10.4	8.9	7.2	6.2	6.5	7.2	7.5	7.6	7.4	8.1
Oct.,	7.5	8.7	8.4	8.9	9.5	9.0	9.6	10.6	11.7	12.4	13.2	13.3	13.4	13.1	13.7	12.2	10.1	8.6	9.0	9.2	8.8	9.1	9.1	8.6	10.3
Nov.,	8.4	8.0	7.8	8.0	8.5	9.0	9.1	9.9	10.6	10.9	11.8	11.5	11.6	11.9	11.2	11.0	9.4	9.0	8.8	9.0	8.6	8.2	7.9	7.9	9.5
Dec.,	10.6	10.8	10.7	11.0	11.1	10.5	10.5	10.6	10.6	11.1	11.4	11.6	11.2	10.8	10.4	9.9	9.2	9.2	9.5	10.0	10.6	10.8	10.7	11.6	10.6
Sum,	93.4	96.8	97.3	97.3	98.2	97.7	101.7	111.9	120.8	127.6	133.9	137.7	141.4	141.2	139.9	135.0	122.4	109.1	98.4	96.0	98.1	100.9	100.9	97.4	112.3
Mean,	7.8	8.1	8.1	8.1	8.2	8.1	8.5	9.3	10.1	10.6	11.2	11.5	11.8	11.8	11.7	11.2	10.2	9.1	8.2	8.0	8.2	8.4	8.4	8.1	9.4

Station Fort Wayne, Indiana. Standard of normal time in local use 90th meridian.

MONTH.	MEAN HOURLY ATMOSPHERIC TEMPERATURE.—(By Richards' Thermograph.)																								FOR THE MONTH.
	1 a. m.	2 a. m.	3 a. m.	4 a. m.	5 a. m.	6 a. m.	7 a. m.	8 a. m.	9 a. m.	10 a. m.	11 a. m.	12 Noon.	1 p. m.	2 p. m.	3 p. m.	4 p. m.	5 p. m.	6 p. m.	7 p. m.	8 p. m.	9 p. m.	10 p. m.	11 p. m.	12 Mid't.	
Jan.,																									
Feb.,																									
Mar.,																									
April,																									
May,																									
June,																									
July,																									
Aug.,																									
Sept.,																									
Oct.,																									
Nov.,																									
Dec.,																									
Sum,																									
Mean,																									

Prepared by C. M. S.

P. McDonough, *Weather Bureau.*

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Standard of normal time in local use, 90th meridian.

MONTH.	WIND—NUMBER OF MILES AND LENGTH OF TIME FROM—																			
	N.		NE.		E.		SE.		S.		SW.		W.		NW.		CALM.		TOTAL.	
	Miles.	Hours.	Miles.	Hours.	Miles.	Hours.	Miles.	Hours.	Miles.	Hours.	Miles.	Hours.	Miles.	Hours.	Miles.	Hours.	Miles.	Hours.	Miles.	Hours.
January,																				
February,																				
March,																				
April,																				
May,																				
June,																				
July,																				
August,																				
September,																				
October,																				
November,																				
December,																				
Sum,																				
Percentage,																				
Average hourly velocity,		*a*		*a*		*a*		*a*		*a*		*a*		*a*		*a*		*a*		*a*

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) _____, (Date) _____, 192

Time (local standard) 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	44	45	45	46	47	47	47	48	49	49	50	54
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												
Sunshine (in tenths of hours)								0	0	0	0	0
Wind direction	S	S	S	S	S	S	S	S	S	S	S	S
Wind movement	13	15	15	14	15	15	13	12	14	18	19	20

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	54	53	52	52	45	41	40	38	37	37	38	37
State of weather: Nature of precipitation and time of beginning and ending		RB 1.35	- -	- -	RE 430							
Amounts of precipitation												
Cloudiness and other conditions		Cloudy					Partly cloudy	Clear		7		7
Sunshine (in tenths of hours)	0.2	0	0	0	0							
Wind direction	S	S	S	SW	SW	W	W	SW	SW	SW	SW	SW
Wind movement	25	26	23	18	20	18	13	12	15	14	19	21

Sunrise: Time, 7:06; Character, Cloudy. Moonrise: ____

Sunset: Time, 4:23; Character, Cloudy. Moonset: 11:30 p

Maximum velocities (exceeding 29 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

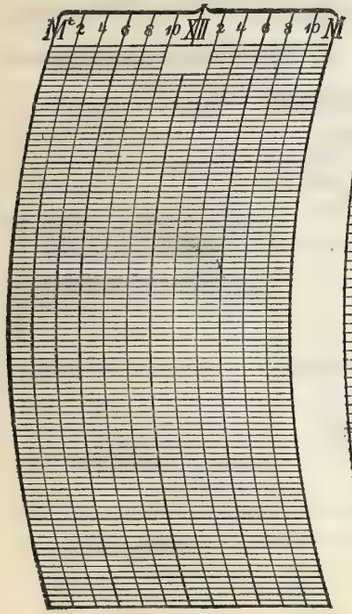
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
54	37	46	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 1.0 ins.
Total precipitation, midnight to midnight, 1.0 inches.
Character of day, Cloudy. Moon phase, ____
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0.2. Possible sunshine, hours, 9.3
Per cent of possible sunshine, 2
Prevailing wind direction, S. Total wind 440
Average hourly velocity, 12.0. Extreme velocity, 33
Maximum velocity, 27. Direction, S
Time began, 12:31 pm
Reduced barometer, 29.73 7 a. m. 29.62 7 p. m.
River gage, 4.6 feet
Relative humidity, 91 7 a. m. 92 7 p. m.

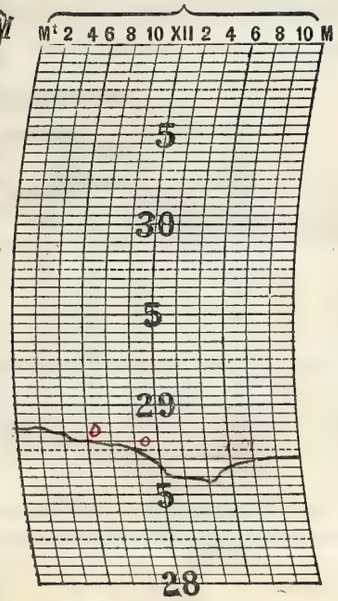
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 51.0. Wet temperature, 49.0
Dew-point, 47. R. humidity, 87. V. pressure, 322
Clouds: Amount, 10; Kind, Sft; Direction, S
Velocity of clouds (miles per hour)

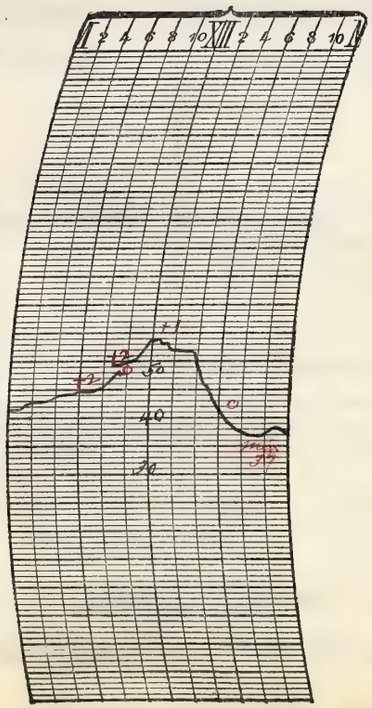
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Rising temperature from the preceding pm. observation, but a change to cooler weather set in after 4 p.m. The day was mild and generally cloudy, with light rain in the afternoon, but night was largely clear. The snow cover disappeared during the day.

Prepared by _____

Verified by _____

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) JAN 2 1921, 192

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	36	35	35	33	33	33	33	33	34	35	34	34
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions				L	Cloudy			x-Pl.Cdy	x-Clear	x-Pl.Cloudy	x-Cloudy	
Sunrise: Time, 7:06 Character, Cloudy												
Moonrise: 1:02a												
Sunshine (in tenths of hours)								0	0.5	1.0	0.3	0
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	22	23	27	24	21	22	22	21	21	23	23	22
Maximum velocities (exceeding 29 miles) direction and time			32 SW 2:06							30 SW 9:27		

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	35	37	38	37	35	36	35	35	33	33	33	33
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	x-Pl.Cloudy		x-Pl.Cloudy		x-	Clear						
Sunset: Time, 4:24 Character, Clear												
Moonset: 12:03p.												
Sunshine (in tenths of hours)	0.1	0.8	1.0	1.0	0.1							
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	21	20	20	17	13	9	9	11	9	9	10	8
Maximum velocities (exceeding 29 miles) direction and time					30							

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

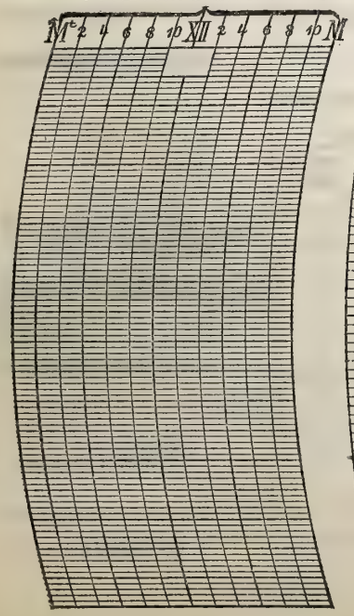
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
38	33	36	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pl. Cloudy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 5.1 Possible sunshine, hours, 9.3
Per cent of possible sunshine, 55
Prevailing wind direction, SW Total wind 412.8
Average hourly velocity, 17.8 Extreme velocity, 36
Maximum velocity, 32 Direction, SW
Time began, 2:06 am
Reduced barometer, 29.81 7 a. m. 29.90 7 p. m.
River gage, 4.7 Feet
Relative humidity, 80 7 a. m. 77 7 p. m.

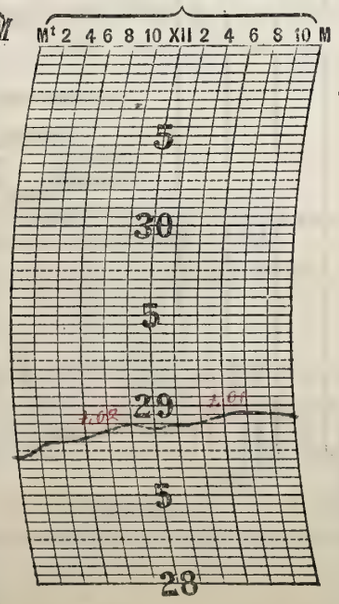
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 34.0 Wet temperature, 32.0
Dew-point, 29 R. humidity, 81 V. pressure, 15.7
Clouds: Amount, 10; Kind, St.Cu.; Direction, NW
Velocity of clouds (miles per hour)

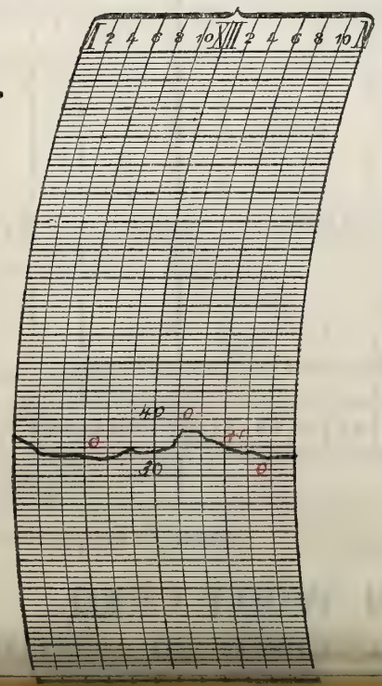
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The weather was mostly cloudy until 2:30 p.m., when it became clear and remained so during the rest of the day. The temperature ranged between 33 and 38 degrees.

Prepared by P. M. Lawrence

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind, (Day of week) Sunday, (Date) [illegible], 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	34	36	36	36	35	35	35	35	40	42	46	49
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							←	Clear				
Sunrise: Time, Character,	7:06 Clear											
Moonrise:	2:03a											
Sunshine (in tenths of hours)								.80 0.1	1.0	1.0	1.0	1.0
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	9	12	12	11	10	10	12	12	14	13	15	15
Maximum velocities (exceeding 20 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	49	50	49	47	45	43	43	42	39	39	38	39
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					Clear				→			
Sunset: Time, Character,									4:25 Cloudy			
Moonset:									12:39p			
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.1 0.9	0.2 0							
Wind direction	SW	SW	SW	SW	SW	S	S	S	S	S	SW	SW
Wind movement	15	15	14	10	10	11	11	13	13	13	13	10
Maximum velocities (exceeding 20 miles) direction and time												

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

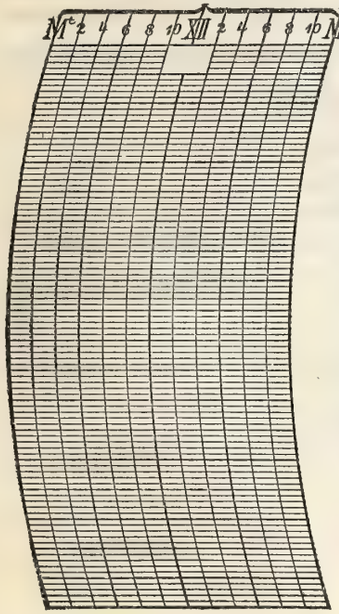
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
50	33	42	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), Few
Actual sunshine, hours, 9.1 Possible sunshine, hours, 9.3
Per cent of possible sunshine, 98
Prevailing wind direction, SW Total wind 288
Average hourly velocity, 12.2 Extreme velocity, 20
Maximum velocity, 19 Direction, SW
Time began, 1:18 p.m.
Reduced barometer, 29.91 a. m. 29.86, p. m.
River gage, 7.9 feet
Relative humidity, 65 a. m. 50 p. m.

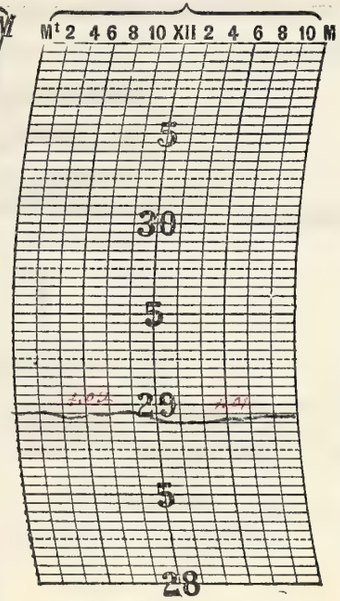
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 47.6 Wet temperature, 40.6
Dew-point, 32 R. humidity, 54 V. pressure, .150
Clouds: Amount, Few; Kind, Ast; Direction, N
Velocity of clouds (miles per hour)

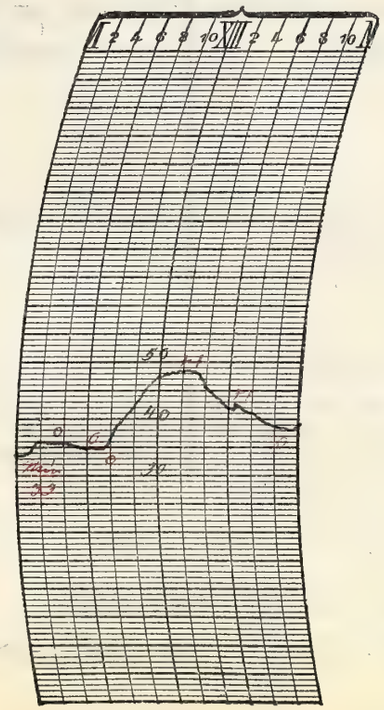
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A clear and spring-like day with an abundance of bright sunshine and moderate temperature.

Prepared by [illegible]
Verified by [illegible]

8—183

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) _____, (*Day of week*) _____, (*Date*) _____, *192*

Time (local standard). 90° mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	39	40	40	40	40	40	40	40	44	46	50	51	51	52	50	48	47	45	45	43	41	40	40	40
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							← Cloudy		— Pt. Cloudy			→	→ Clear		→		— Pt. Cloudy			→	Clear			→
Sunshine (in tenths of hours)								0	0.2	1.0	1.0	1.0	1.0	1.0	1.0	0.3	0							
Wind direction	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	W
Wind movement	12	11	12	12	11	13	10	10	10	13	16	16	15	14	11	10	9	11	11	10	10	8	10	11
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 7:06 Character, Cloudy
Moonrise: 3:49 a.

Sunset: Time, 4:26 Character, Cloudy
Moonset: 1:47 p.

Excessive precipitation, accumulated amounts	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

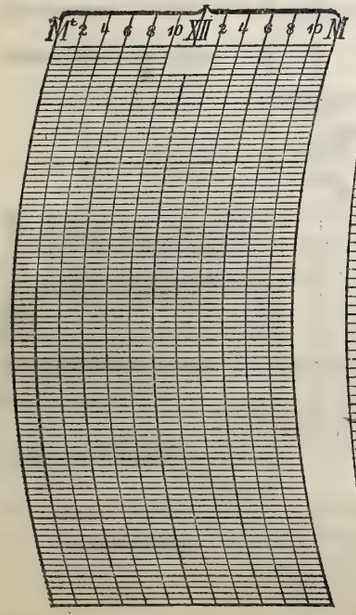
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
52	39	46	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase, _____
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 6.5 Possible sunshine, hours, 9.3
Per cent of possible sunshine, 70
Prevailing wind direction, SW Total wind 271
Average hourly velocity, 11.5 Extreme velocity, 16
Maximum velocity, 19 Direction, SW
Time began, 11:41 am
Reduced barometer, 29.94 a. m. 29.8[illegible] p. m.
River gage, 7.8 feet
Relative humidity, 78 a. m. 69 p. m.

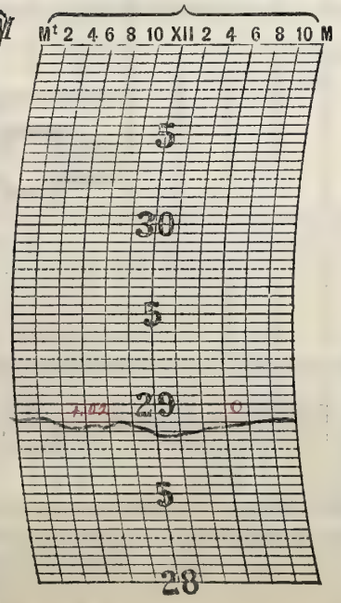
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 42.8 Wet temperature, 43.0
Dew-point, 35 R. humidity, 57 V. pressure, .203
Clouds: Amount, 7; Kind, ASt.; Direction, NW.
Velocity of clouds (miles per hour) _____

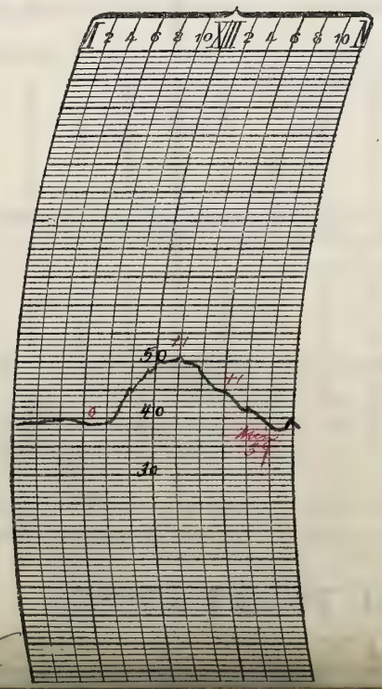
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Faint solar halo at 2° observed from 2:52 pm until 3:15 pm, length of arc about 175 degrees. Cirrus unidentifiable. Clouds consisted of seven-tenths Alto-stratus from the northwest.

A partly cloudy day which was very balmy and spring like with the abundance of bright pleasant sunshine.

Prepared by _____

Verified by P. McLennan

Form No. 1012—Mo. 7.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) _____, (*Day of week*) _____, (*Date*) _____, 192

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	40	39	38	37	36	35	35	35	34	34	33	32
								Sun B 7:48	Sun F 8:50			
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions								Cloudy				
Sunshine (in tenths of hours)								0	0	0	0	0
Wind direction	W	W	W	W	W	NW	W	NW	NW	W	NW	NW
Wind movement	13	12	13	16	18	20	18	17	15	16	18	20
Maximum velocities (exceeding 29 miles) direction and time												

Sunrise: Time, 7:06; Character, Cloudy. Moonrise: 3:57a

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	32	32	31	31	31	31	31	30	30	30	30	30
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					Cloudy x	Pcdy x	Clear		x Pl Cldy x	Cloudy x		
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	20	17	17	17	14	14	10	7	6	7	8	6
Maximum velocities (exceeding 29 miles) direction and time												

Sunset: Time, 4:27; Character, Cloudy. Moonset: 1:59p

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
40	30	35	

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy. Moon phase, _____
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.4
Per cent of possible sunshine, 0
Prevailing wind direction, NW Total wind 339
Average hourly velocity, 14.1 Extreme velocity, 27
Maximum velocity, 26 Direction, NW
Time began, 12:06 pm.
Reduced barometer, 29.95 7 a. m. 30.23 7 p. m.
River gage, 2.2 Feet
Relative humidity, 86 7 a. m. 69 7 p. m.

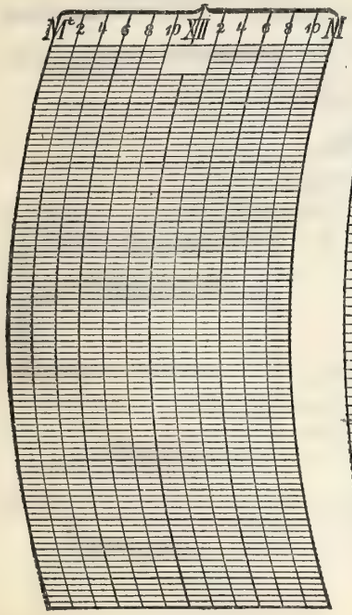
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

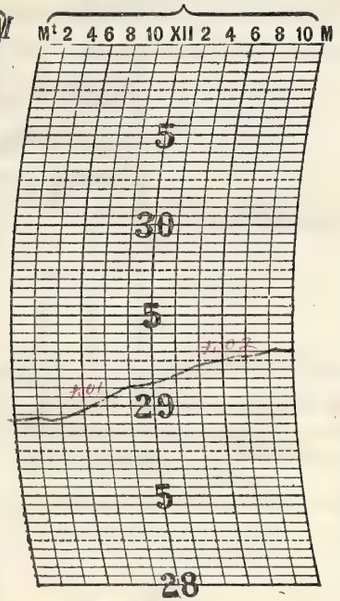
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 33.0 Wet temperature, 32.2
Dew-point, 23 R. humidity, 63 V. pressure, .118
Clouds: Amount, 10; Kind, Stra.; Direction, NW
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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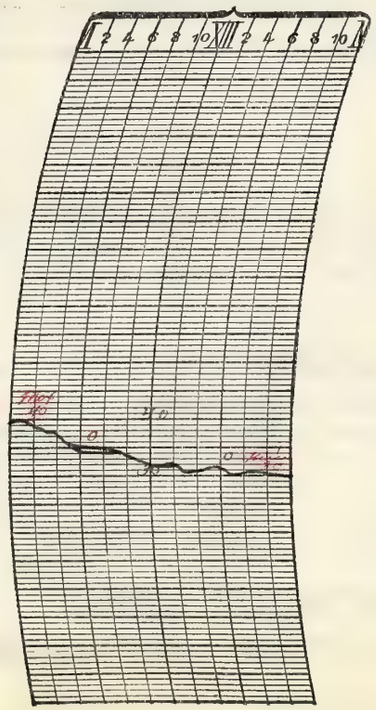


NOTES.

A cloudy day with falling temperature until the evening when the temperature remained practically stationary.

Prepared by _____

Verified by P. W. Donnell

6—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) ....., *(Day of week)* ....., *(Date)* ....., *192*

Time (local standard). 90° mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	30	29	29	29	28	29	30	29	32	34	37	39	43	43	43	42	41	40	40	41	41	41	42	42
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						← Cloudy →					Mo. Clear →		Pt. Cloudy →						Cloudy					
Sunrise: Time, 7:06 Character, Cloudy																					Sunset: Time, 4:28 Character, Cloudy			
Moonrise: 11:42 a																					Moonset: 2:45 p			
Sunshine (in tenths of hours)								0	0.6	1.0	1.0	1.0	1.0	1.0	0.7	0	0							
Wind direction	NW	NW	W	W	W	W	SW	SW	S	S	S	S	S	S	S	S	S	S	SE	S	S	S	S	S
Wind movement	4	5	6	4	3	6	4	5	8	8	9	9	9	11	10	9	9	7	9	11	12	14	13	12
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

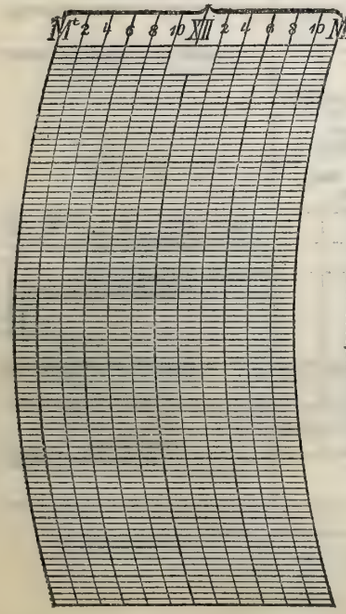
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
44	28	36	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase, ...
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 6.3 Possible sunshine, hours, 9.4
Per cent of possible sunshine, 67
Prevailing wind direction, S Total wind 127
Average hourly velocity, 8.2 Extreme velocity, 17
Maximum velocity, 16 Direction, S
Time began, 9:20 p.m.
Reduced barometer, 30.32 7 a. m. 30.09 7 p. m.
River gage, 6.8 Feet
Relative humidity, 76 7 a. m. 61 7 p. m.

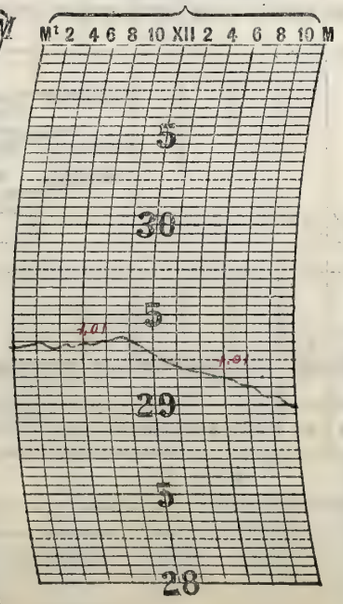
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 39.0 Wet temperature, 33.5
Dew-point, 25 R. humidity, 56 V. pressure, .130
Clouds: Amount, 6; Kind, Cu-St; Direction, NW
Velocity of clouds (miles per hour) .....

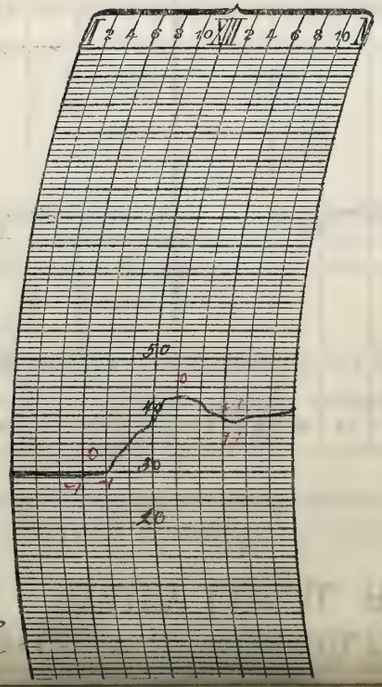
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A solar halo of 22 degrees was observed from 11:30 a.m. until 12:37 p.m. The length of the arc was about 90°, but the phenomena was faint and as a result the colors were exceedingly faint. The attendant clouds consisted of six-tenths Cirro-Stratus from the northwest.

Prepared by .....

Verified by C. M. C. Fonvergh

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) ....., (*Day of week*) ....., (*Date*) ....., 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	43	43	44	44	45	45	45	46	47	47	47	47
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							← Cloudy					
Sunshine (in tenths of hours)								0	0	0	0	0
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	13	15	13	13	14	13	12	10	10	11	11	10
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	47	46	43	43	43	41	40	40	39	39	38	37
State of weather. Nature of precipitation and time of beginning and ending			HR 2.31					HE 7.45				
Amounts of precipitation			—	—	—	—	—	—				
Cloudiness and other conditions				Cloudy								→
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	SW	SW	W	NW	NW	NW	N	N	N	N	N	N
Wind movement	10	7	7	6	7	8	9	9	9	9	8	9
Maximum velocities (exceeding 29 miles) direction and time												

Sunrise: Time, 7:06 Character, Cloudy
Moonrise: 5:37a

Sunset: Time, 4:29 Character, Cloudy
Moonset: 3:34p

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
47	37	42	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 1.9 ins.
Total precipitation, midnight to midnight, 2.0 inches.
Character of day, Cloudy Moon phase, ...
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.4
Per cent of possible sunshine, 0
Prevailing wind direction, SW Total wind 343
Average hourly velocity, 10.1 Extreme velocity, 18
Maximum velocity, 17 Direction, SW
Time began, 12:58 a.m.
Reduced barometer, 29.82 7 a. m. 29.80 7 p. m.
River gage, 5.9 Feet
Relative humidity, 65 7 a. m. 92 7 p. m.

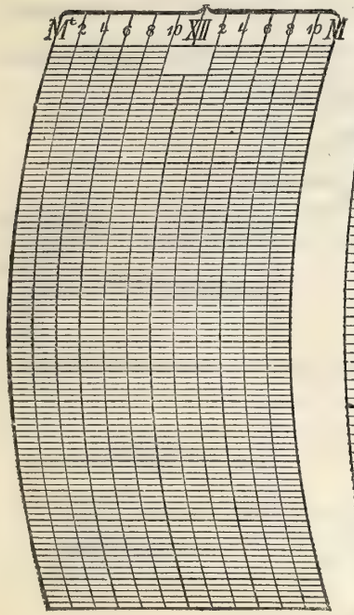
Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

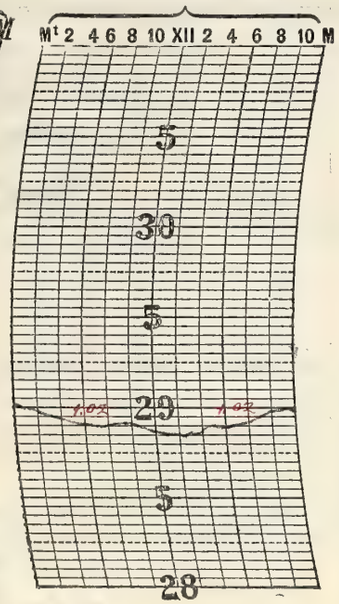
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 46.4 Wet temperature, 44.1
Dew-point, 42 R. humidity, 84 V. pressure, .266
Clouds: Amount, 10; Kind, St; Direction, SW
Velocity of clouds (miles per hour) .....

THERMOGRAPH.



BAROGRAPH.



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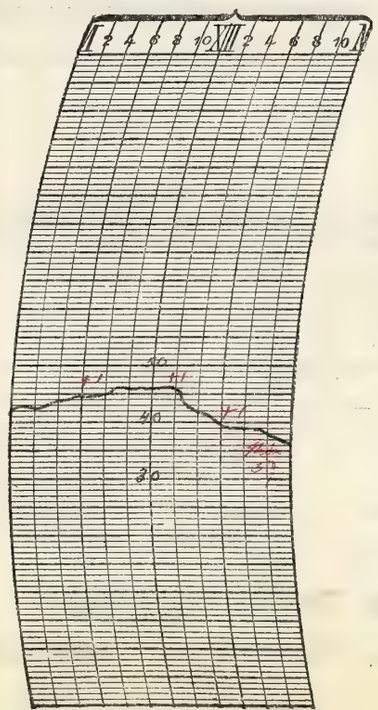


NOTES.

A cloudy day with moderate temperature with a light rain during the afternoon and early evening.

Prepared by .....

Verified by P. M. Donough

8—180

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) [illegible], (Date) [illegible], 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	36	35	35	34	33	33	32	32	34	35	38	40
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							← Clear					
Sunshine (in tenths of hours)								.70 0.2	1.0	1.0	1.0	1.0
Wind direction	N	N	NW	NW	NW	NW	NW	NW	NW	W	W	W
Wind movement	9	6	7	8	8	7	7	7	7	9	9	12
Maximum velocities (exceeding 99 miles) direction and time												

Sunrise: Time, 7:06 Character, Clear
Moonrise: 6:21a

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	41	42	42	41	39	36	35	35	34	33	31	30
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Clear →					
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	.40 0.1							
Wind direction	W	W	W	W	W	SW	SW	SW	W	NW	NW	NW
Wind movement	15	14	15	14	11	10	11	9	8	6	5	4
Maximum velocities (exceeding 99 miles) direction and time												

Sunset: Time, 4:30 Character, Clear
Moonset: 4:26p

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
42	30	36	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .01 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, New Moon
Average daily cloudiness (0-10), Fair
Actual sunshine, hours, 9.4 Possible sunshine, hours, 9.4
Per cent of possible sunshine, 100
Prevailing wind direction, NW Total wind 218
Average hourly velocity, 9 Extreme velocity, 19
Maximum velocity, 17 Direction, W
Time began, 1:04 pm
Reduced barometer, 30.08 7 a. m. 30.17 7 p. m.
River gage, 6.7 Fall
Relative humidity, 72 7 a. m. 62 7 p. m.

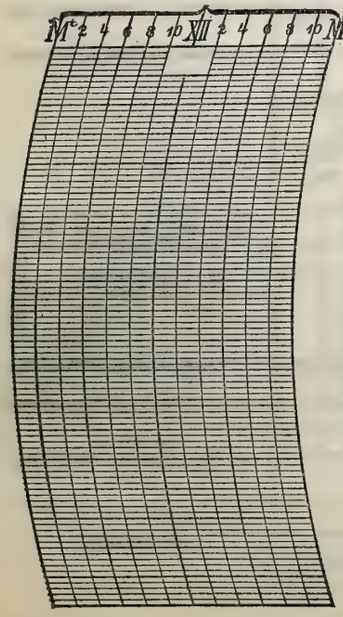
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

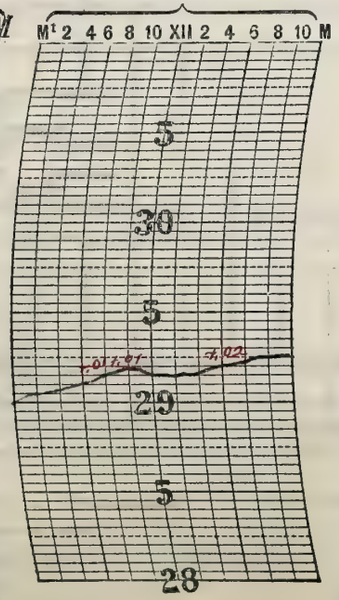
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 39.0 Wet temperature, 32.0
Dew-point, 21 R. humidity, 44 V. pressure, .108
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

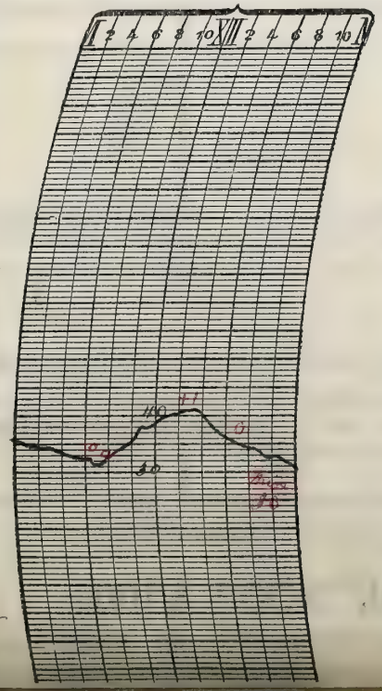
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A clear and invigorating day with moderate temperatures.

Prepared by [illegible]

Verified by [illegible]

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, *(Day of week)* _____, *(Date)* _____, *192*

Time (local standard). 90 mer. normal time.

	A. M.												P. M.											
	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	28	27	27	25	24	23	23	24	26	28	31	33	33	36	36	35	34	32	32	30	30	29	28	27
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							←	Clear							Clear						→			
Sunrise: Time, 7:06 Character, Clear																								
Moonrise: 7:01 a																								
Sunset: Time, 4:31 Character, Clear																								
Moonset: 5:21 p																								
Sunshine (in tenths of hours)								.50 0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.42 0.1							
Wind direction	N	N	N	N	N	NE	NE	E	E	E	SW	SW	NW	W	SW	SW	SW	SW	W	W	W	SW	S	SW
Wind movement	4	4	3	4	4	3	4	3	4	3	4	5	6	5	5	5	5	4	5	4	4	6	6	6
Maximum velocities (exceeding 20 miles) direction and time																								

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

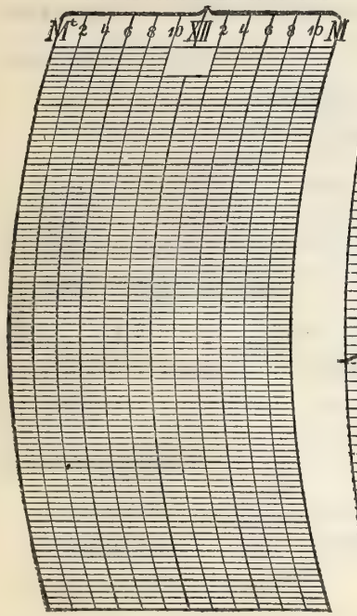
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
37	23	30	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, _____
Average daily cloudiness (0–10), 0
Actual sunshine, hours, 9.4 Possible sunshine, hours, 9.4
Per cent of possible sunshine, 100
Prevailing wind direction, SW Total wind 104
Average hourly velocity, 4.4 Extreme velocity, 8
Maximum velocity, 8 Direction, SW
Time began, 2:51 p.m.
Reduced barometer, 30.287 a. m. 30.255 p. m.
River gage, 6.4 Feet
Relative humidity, 73 a. m. 56 p. m.

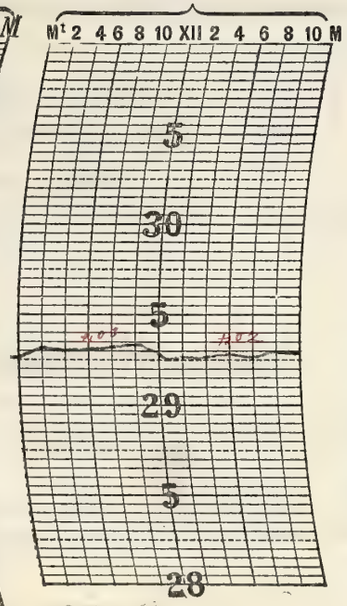
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 34.0 Wet temperature, 29.0
Dew-point, 20 R. humidity, 53 V. pressure, .103
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

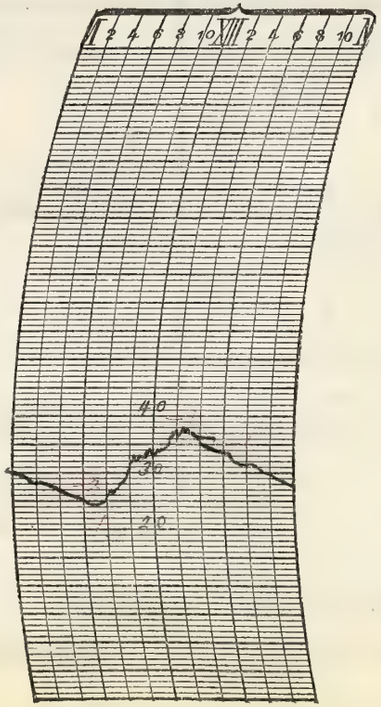
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The day started of clear and invigorating weather with moderate temperature.

Prepared by _____

Verified by _____

8—185

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) JAN 10 1921, 192

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	27	25	25	25	25	24	25	26	30	36	38	40
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							←	Clear				
Sunshine (in tenths of hours)								.70 0.2	1.0	1.0	1.0	1.0
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	7	7	9	8	9	9	10	11	13	11	11	11

Sunrise: Time, 7:06 Character, Clear
Moonrise: 7:36a

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	42	43	44	42	40	39	37	36	36	35	35	34
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions			Clear									→
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	0							
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	13	14	13	12	8	9	10	10	9	9	10	8

Sunset: Time, 4:32 Character, Cloudy
Moonset: 6:17p

Maximum velocities (exceeding 29 miles) direction and time.

Excessive precipitation, accumulated amounts.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

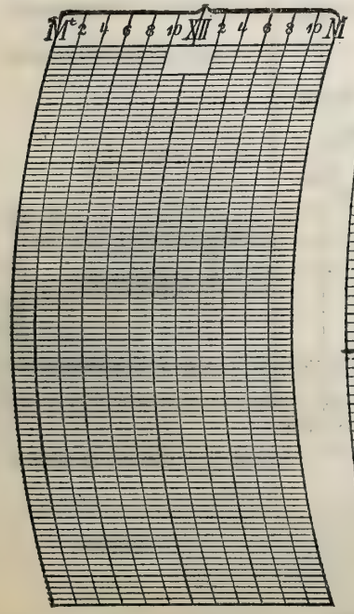
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
44	24	34	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 8.2 Possible sunshine, hours, 8.6
Per cent of possible sunshine, 95
Prevailing wind direction, SW Total wind 241
Average hourly velocity, 10.0 Extreme velocity, 10
Maximum velocity, 16 Direction, SW
Time began, 1:02 P.M.
Reduced barometer, 30.27 7 a. m. 30.25 7 p. m.
River gage, 5.4 Foot
Relative humidity, 67 7 a. m. 67 7 p. m.

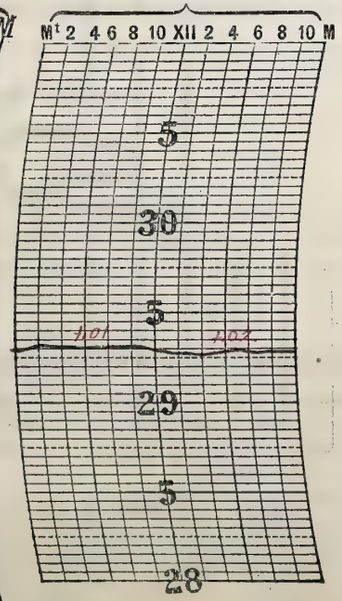
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 40.2 Wet temperature, 34.7
Dew-point, 27 R. humidity, 57 V. pressure, .142
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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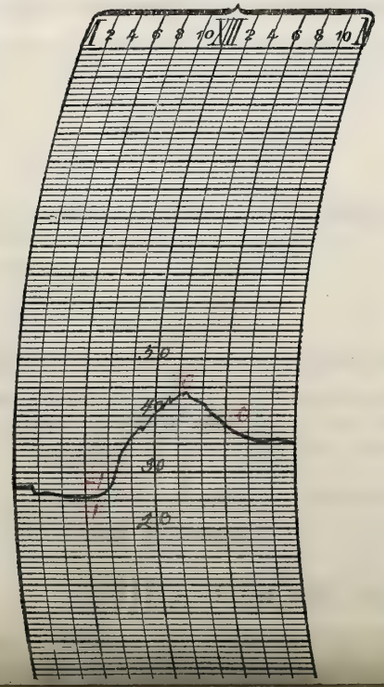


NOTES.

A clear and invigorating day with moderate temperatures and an abundance of bright warm sunshine.

Prepared by

Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) _____, (Date) _____, 192

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	34	34	34	35	36	36	36	35	35	33	31	30
State of weather. Nature of precipitation and time of beginning and ending										S^B 9:32		
Amounts of precipitation												
Cloudiness and other conditions							←		Cloudy			
Sunrise: Time, Character,	7:05 Cloudy											
Moonrise:	8:02a											
Sunshine (in tenths of hours)								0	0	0	0	0
Wind direction	SW	SW	SW	SW	SW	SW	SW	W	SW	W	NW	W
Wind movement	7	10	10	10	9	9	7	6	6	6	6	9

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	31	31	31	32	31	32	32	30	29	29	28	26
State of weather. Nature of precipitation and time of beginning and ending		S^E 1:52										
Amounts of precipitation												
Cloudiness and other conditions							Cloudy					
Sunrise: Time, Character,									Sunset: Time, Character, 4:23 Cloudy			
Moonrise:									Moonset: 7:14P			
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	N	N	N	NW	NW	NW	NW	NW	SW	SW	SW	SW
Wind movement	9	7	6	5	6	3	3	5	6	6	4	5

Maximum velocities (exceeding 29 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
36	26	31	

Total depth of snow for 24 hours ending 7 p. m., T inches.

Snow, sleet, and hail on ground 7 p. m., T inches.

Total snowfall, midnight to midnight, T inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Cloudy Moon phase, _____

Average daily cloudiness (0-10), 9

Actual sunshine, hours, 0 Possible sunshine, hours, 9.5

Per cent of possible sunshine, 0

Prevailing wind direction, SW Total wind 160

Average hourly velocity, 6.7 Extreme velocity, 12

Maximum velocity, 12 Direction, SW

Time began, 1:44 a.m.

Reduced barometer, 29.25 7 a. m. 29.22 2 p. m.

River gage, 4.8 feet

Relative humidity, 71 7 a. m. 65 2 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

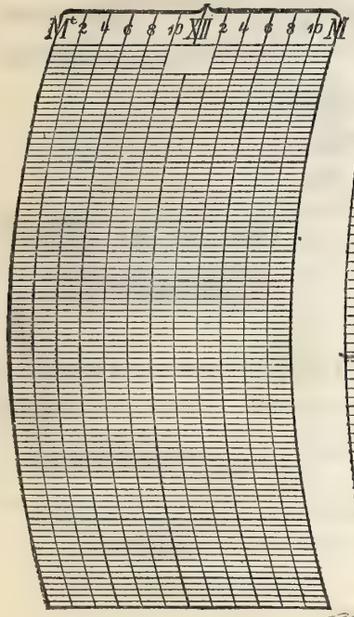
Dry temperature, 31.5 Wet temperature, 31.0

Dew-point, 30 R. humidity, 95 V. pressure, .164

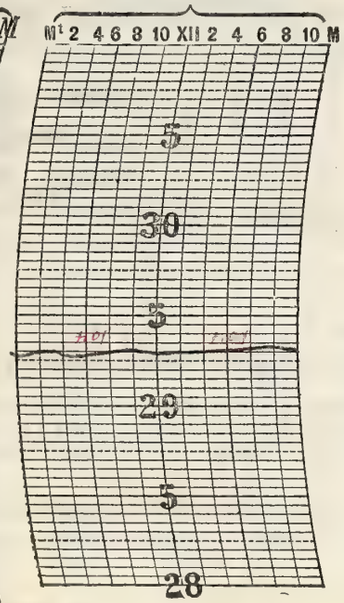
Clouds: Amount, 10; Kind, Nb; Direction, N

Velocity of clouds (miles per hour)

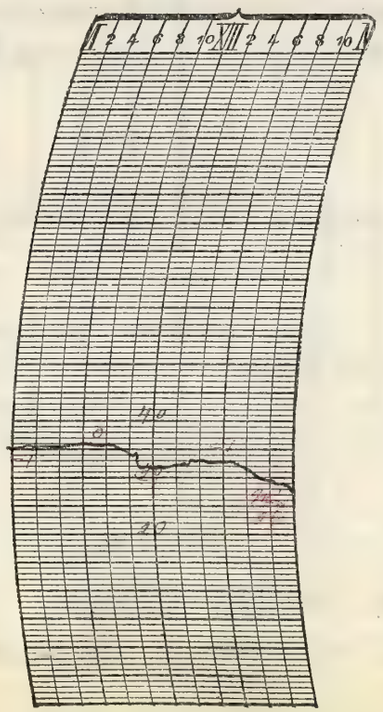
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A cloudy day with snow showers during the late morning and early afternoon and moderate snowfall

Prepared by _____

Verified by C. M. Donnelly

8—186

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) _____, (*Day of week*) _____, (*Date*) _____, 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	26	23	24	24	23	21	19	18	18	16	16	17
									SHB 8:37			
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation									—	—	—	—
Cloudiness and other conditions							~~Clear~~ Cloudy					
Sunrise: Time, 7:05 Character, Cloudy												
Moonrise: 8:32 p												
Sunshine (in tenths of hours)								0	0.2	0	0.2	0
Wind direction	N	N	N	NW	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	8	7	5	8	12	12	12	12	15	16	19	17

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	18	18	19	20	19	19	18	17	16	16	16	15
			SHE 2:50									
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation	—	—	—									
Cloudiness and other conditions			Cloudy	~~Rain~~			Clear					
Sunset: Time, 4:34 Character, Cloudy												
Moonset: 8:11 p												
Sunshine (in tenths of hours)	0.4	0.3	0	0	0							
Wind direction	NW	NW	NW	NW	NW	NW	NW	NW	W	W	SW	N
Wind movement	19	16	12	11	9	9	6	6	5	6	5	4

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

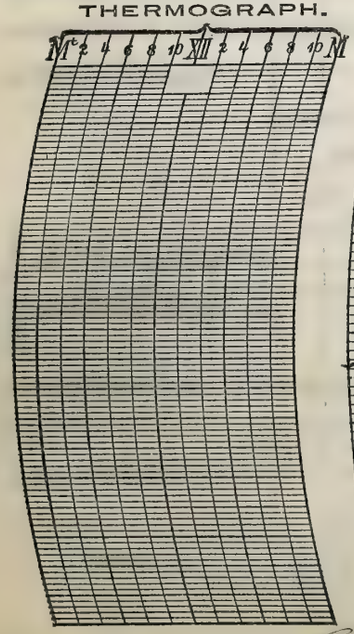
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
26	14	20	

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase, _____
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 1.1 Possible sunshine, hours, 9.5
Per cent of possible sunshine, 12
Prevailing wind direction, NW Total wind 256
Average hourly velocity, 10.7 Extreme velocity, 26
Maximum velocity, 24 Direction, NW
Time began, 12:23 pm.
Reduced barometer, 30.32 7 a. m. 30.54 7 p. m.
River gage, 4.4 ft. 7
Relative humidity, 78 7 a. m. 78 7 p. m.

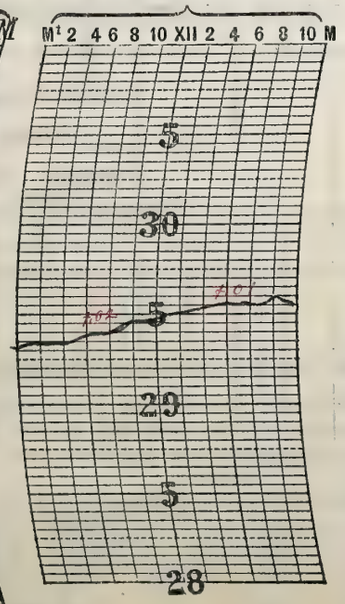
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 17.8 Wet temperature, 16.6
Dew-point, 14 R. humidity, 81 V. pressure, .077
Clouds: Amount, 9; Kind, St Cu.; Direction, NW.
Velocity of clouds (miles per hour) _____

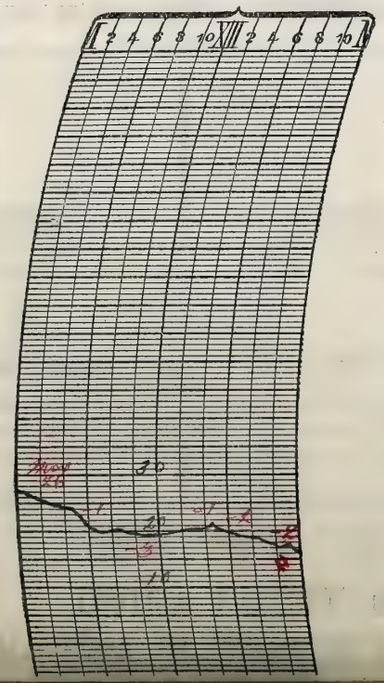
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A cloudy day with a small amount of sunshine. Low temperature, and light snow during the latter morning and early afternoon hours.

Prepared by C. C. S.

Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) Thursday, (Date) _____, 192

Time (local standard). 90° mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	16	16	16	16	16	16	16	17	18	19	21	22	23	23	24	23 SLT 3/10	22	22	22	23	24	26	29 SLT DRY	31
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																—	—	—	—	—	—	—	—	—
Cloudiness and other conditions								Cloudy								Cloudy								
	Sunrise: Time, 7:05 Character, Cloudy. Moonrise: 9:09 a																				Sunset: Time, 4:35 Character, Cloudy. Moonset: 9:40 p			
Sunshine (in tenths of hours)								0	0	0	0	0	0	0	0	0	0							
Wind direction	N	N	S	S	SE	SE	SE	E	SE	SE	SE	SE	SE	SE	SE	E	E	E	E	E	E	SE	SE	S
Wind movement	2	2	3	2	4	4	5	6	7	8	8	8	8	9	8	11	13	11	11	8	7	7	7	9
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

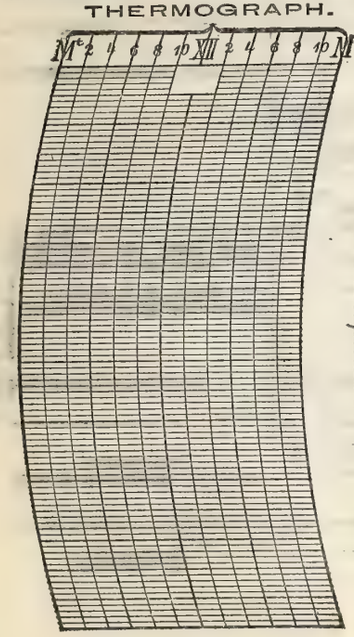
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
31	15	23	

Total depth of snow for 24 hours ending 7 p. m., 0.7 inches.
Snow, sleet, and hail on ground 7 p. m., 0.7 inches.
Total snowfall, midnight to midnight, 1.3 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0.4 ins.
Total precipitation, midnight to midnight, 0.4 inches.
Character of day, Cloudy Moon phase, _____
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 8.6
Per cent of possible sunshine, 0
Prevailing wind direction, SE Total wind 11.3
Average hourly velocity, 7.0 Extreme velocity, 13
Maximum velocity, 13 Direction, E
Time began, 4:40 P.M.
Reduced barometer, 30.47 7 a. m. 29.92 7 p. m.
River gage, 3.8 Feet
Relative humidity, 74 7 a. m. 86 7 p. m.

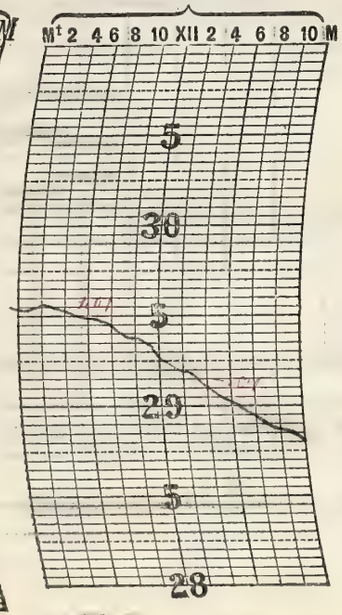
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 21.8 Wet temperature, 19.0
Dew-point, 12 R. humidity, 61 V. pressure, .070
Clouds: Amount, 10; Kind, AST; Direction, NW.
Velocity of clouds (miles per hour) _____

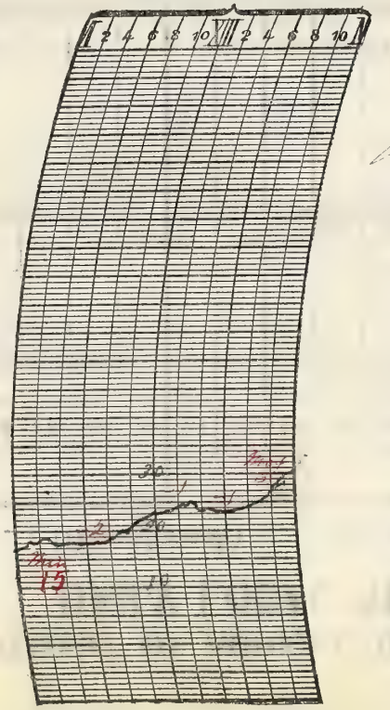
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A cloudy and cold day with strong easterly winds. Light snow commenced falling about the middle of the afternoon and continued late into the night.

Prepared by _____
Verified by C. M. Strong

8—186

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) _____, (*Day of week*) _____, (*Date*) _____, 192

Time (local standard). 90th mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	33	33	33	31	29	27	27	26	25	26	26	26	25	25	24	24	24	24	24	25	25	25	25	25
State of weather. Nature of precipitation and time of beginning and ending									S 8 9:12															
Amounts of precipitation																								
Cloudiness and other conditions							← Cloudy									Cloudy								→

Sunrise: Time, 7:04 Character, Cloudy

Moonrise: 9:48a

Sunset: Time, 4:36 Character, Cloudy

Moonset: 10:08p

Sunshine (in tenths of hours)								0	0	0	0	0	0	0	0	0	0							
Wind direction	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	SW	SW	W	SW	SW	SW	SW	SW	SW	SW	W
Wind movement	9	13	13	16	16	17	11	14	13	14	16	16	14	15	12	13	11	8	10	11	9	9	10	14
Maximum velocities (exceeding 19 miles) direction and time																								

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
33	24		

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 4 inches.

Total snowfall, midnight to midnight, 0.6 inches.

Precipitation to 7 a. m., .04 ins.; to 7 p. m., .02 ins.

Total precipitation, midnight to midnight, .04 inches.

Character of day, Cloudy Moon phase, _____

Average daily cloudiness (0-10), 10

Actual sunshine, hours, 0 Possible sunshine, hours, 9.5

Per cent of possible sunshine, 0

Prevailing wind direction, SW Total wind 204

Average hourly velocity, 15.0 Extreme velocity, 22

Maximum velocity, 30 Direction, SW

Time began, 10:22a.m.

Reduced barometer, 29.70 7 a. m. 29.67 7 p. m.

River gage, 3.1 Fall

Relative humidity, 82 7 a. m. 80 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

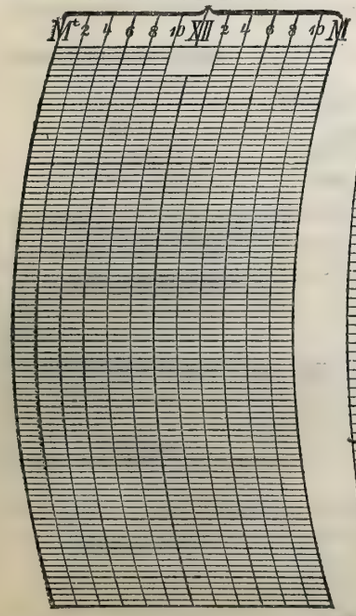
Dry temperature, 25.8 Wet temperature, 24.0

Dew-point, 21 R. humidity, 78 V. pressure, .108

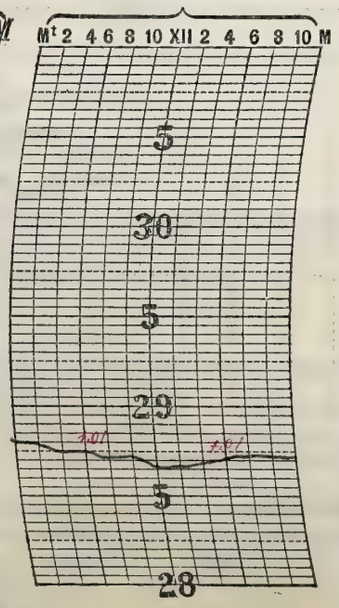
Clouds: Amount, 10; Kind, Sc.Cu.; Direction, W

Velocity of clouds (miles per hour)

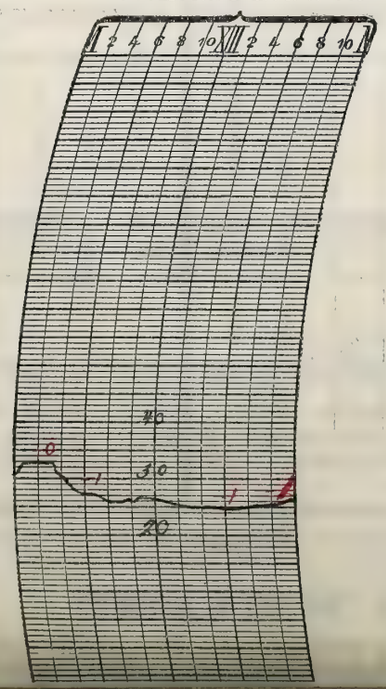
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Prepared by _____

Verified by P. McDonough

*Estimated.

NOTES.

A cloudy and cold day with snow falling throughout the major portion of the daylight hours and throughout the night.

Form No. 1012—Met.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) _____, (Date) _____, 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	23	22	22	21	20	19	18	17	17	18	21	22
											SNE 10:45	SNB 11:32
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation	—	—	—	—	—	—	—	—	—	—	—	—
Cloudiness and other conditions							← Cloudy ×				Pl. Cldy ×	
Sunshine (in tenths of hours)								0	0	0.2	1.0	1.0
Wind direction	W	W	W	W	W	SW	SW	SW	SW	W	SW	W
Wind movement	13	13	13	12	14	12	16	15	15	14	14	18

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	23	22	23	22	22	21	20	19	21	20	20	22
			SNE 2:45									
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation	—	—	—									
Cloudiness and other conditions			Cloudy						→			
Sunshine (in tenths of hours)	1.0	0.6	0.2	0	0							
Wind direction	W	W	W	W	W	SW	SW	SW	SW	SW	SW	SW
Wind movement	18	18	17	17	14	11	10	9	9	13	12	13

Sunrise: Time, 7:04 Character, Cloudy
Moonrise: 10:07a

Sunset: Time, 4:37 Character, Cloudy
Moonset: 11:09p

Maximum velocities (exceeding 27 miles) direction and time

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

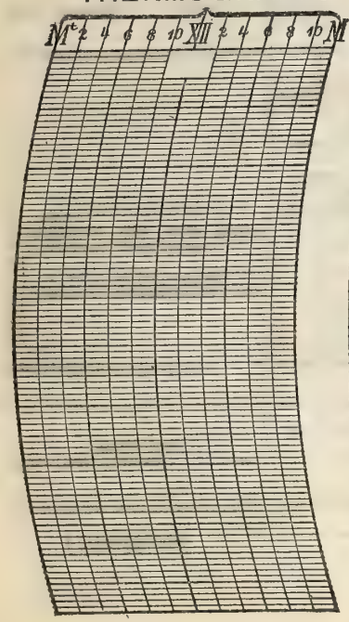
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
25	17	21	

Total depth of snow for 24 hours ending 7 p. m., 0.2 inches.
Snow, sleet, and hail on ground 7 p. m., 2.0 inches.
Total snowfall, midnight to midnight, 0.4 inches.
Precipitation to 7 a. m., .04 ins.; to 7 p. m., 0.1 ins.
Total precipitation, midnight to midnight, 0.3 inches.
Character of day, Cloudy Moon phase, _____
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 4.0 Possible sunshine, hours, 9.6
Per cent of possible sunshine, 42
Prevailing wind direction, SW-W Total wind 330
Average hourly velocity, 13.8 Extreme velocity, 23
Maximum velocity, 20 Direction, W
Time began, 2:03 pm
Reduced barometer, 29.81 7 a. m. 29.77 7 p. m.
River gage, 2.9 Feet
Relative humidity, 89 7 a. m. 76 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 26.6 Wet temperature, 19.8
Dew-point, 15 R. humidity, 24 V. pressure, .081
Clouds: Amount, 8; Kind, St Cu; Direction, N.W.
Velocity of clouds (miles per hour)

THERMOGRAPH.



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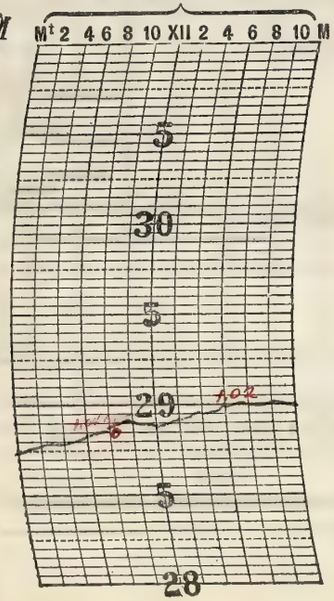

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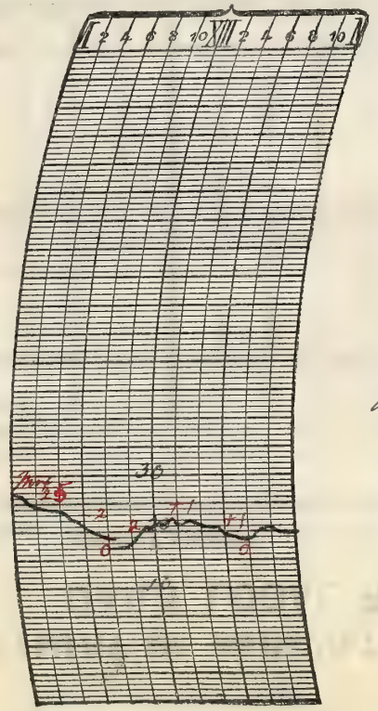


Prepared by _____
Verified by P. McKenzie

8—486

estimated.

NOTES.

The deep snow which commenced during the morning of the fourteenth continued throughout the night and ended during the late morning hours that date. The character of this snowfall was such that it packed very easily and became somewhat slippery, however drifting was rather great where the snow lay loose in open places.

A cloudy cold and somewhat disagreeable day.

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) January, (Date) [illegible], 192

Time (local standard). 90th mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	21	22	22	22	22	25	27	28	29	34	35	37
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Cloudy		Pt Cloudy			
Sunshine (in tenths of hours)								0	0.3	0.2	1.0	1.0
Wind direction	SW	S	S	S	S	S	S	S	SW	SW	SW	W
Wind movement	13	13	11	12	13	14	18	20	16	19	24	27
Maximum velocities (exceeding 20 miles) direction and time												27 W 11:45

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	38	37	35	32	28	25	23	20	19	19	17	15
State of weather: Nature of precipitation and time of beginning and ending										✓	SB 10:53	
Amounts of precipitation												
Cloudiness and other conditions					Clear				Pt Cldy		Cloudy	
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.2	0							
Wind direction	W	W	W	W	W	W	W	W	W	W	W	W
Wind movement	26	27	24	29	29	29	28	31	25	26	24	19
Maximum velocities (exceeding 20 miles) direction and time	31 W 12:43	30 W 1:08	35 W 2:13	36 W 3:30	35 W 4:00	31 W 5:45	38 W 6:07	32 NW 7:08	30 W 8:07	31 W 9:25		

Sunrise: Time, 7:04 Character, Cloudy
Moonrise: 10:35a

Sunset: Time, 4:39 Character, Cloudy
Moonset: —

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
38	15		

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0.4 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 5.2 Possible sunshine, hours, 9.6
Per cent of possible sunshine, 54
Prevailing wind direction, W Total wind 512
Average hourly velocity, 21.5 Extreme velocity, 41
Maximum velocity, 38 Direction, W
Time began, 6:57 pm
Reduced barometer, 29.70 7 a. m. 30.06 7 p. m.
River gage, 8.0 Feet
Relative humidity, 74 7 a. m. 54 7 p. m.

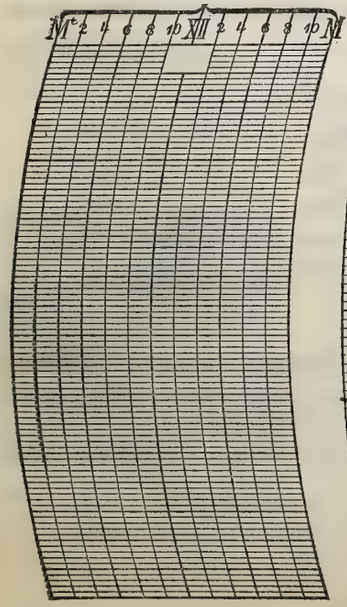
Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

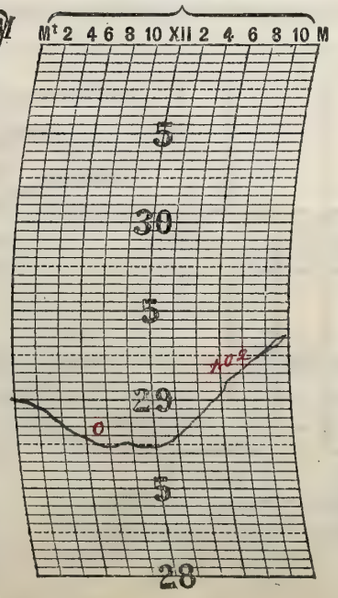
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 27.0 Wet temperature, 23.0
Dew-point, 22 R. humidity, 66 V. pressure, 143
Clouds: Amount, 3; Kind, Ast; Direction, [illegible]
Velocity of clouds (miles per hour)

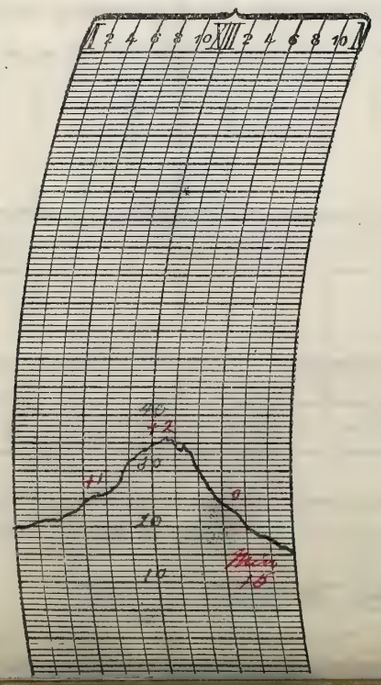
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A cold wave warning was received in the daily forecast at 9:40 am. The flag was hoisted and the information telephoned to transportation companies and the telephone company.

A hazy cloudy day with moderate temperature which commenced falling northwest rapidly in the early afternoon. The wind increased during the ~~afternoon~~ morning and continued at a moderately high velocity through the major portion of the night. No damage reported, except a window of the Beyer Grocery Co., Columbia & Harrison Sts., and slight wire trouble to the telephone system.

Prepared by [illegible]
Verified by P. M. Donough

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) Monday, (Date) _____, 192

Time (local standard). 90th mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	14	14	14	14	14	13	14	13	15	16	18	19
State of weather: Nature of precipitation and time of beginning and ending			SE DM					SE 7:05				SE 11:30
Amounts of precipitation												
Cloudiness and other conditions							<Cloudy	x-Pt Cloudy	x	Cloudy		
Sunshine (in tenths of hours)								0	0.4	0.	0.2	0.7
Wind direction	W	W	W	W	W	W	W	W	W	W	W	NW
Wind movement	17	14	14	12	12	10	10	10	11	10	7	8

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	22	22	23	22	21	21	20	18	17	17	16	16
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions			Cloudy	x-Pt Cldy	x			Clear	x			
Sunshine (in tenths of hours)	1.0	1.0	0.8	0.6	0							
Wind direction	NW	NW	NW	N	NW	NW	NW	NW	N	N	NE	NE
Wind movement	9	9	11	9	6	6	5	5	5	5	2	5

Sunrise: Time, 7:03; Character, Cloudy. Moonrise: 11:13a

Sunset: Time, 4:40; Character, Cloudy. Moonset: 10:11a

Maximum velocities (exceeding 29 miles) direction and time.

Excessive precipitation, accumulated amounts

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
23	13	18	✓

Total depth of snow for 24 hours ending 7 p. m., T inches.

Snow, sleet, and hail on ground 7 p. m., 0.3 inches.

Total snowfall, midnight to midnight, T inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Cloudy Moon phase, F.Q. 10:3 a.m.

Average daily cloudiness (0–10), 8

Actual sunshine, hours, 4.7 Possible sunshine, hours, 9.6

Per cent of possible sunshine, 49

Prevailing wind direction, N Total wind 217

Average hourly velocity, 9.0 Extreme velocity, 22

Maximum velocity, 20 Direction, NW

Time began, 12:25 am.

Reduced barometer, 30.63 7 a. m. 30.88 7, p. m.

River gage, 3.1 Feet

Relative humidity, 78 7 a. m. 66 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

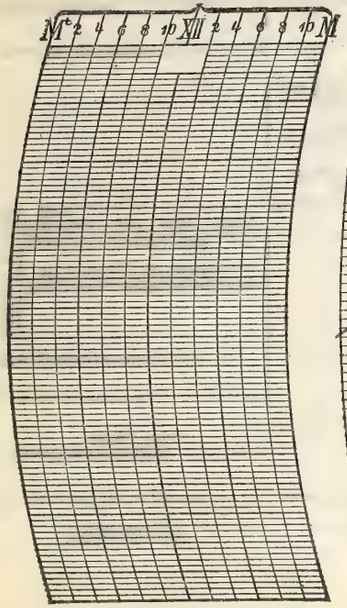
Dry temperature, 21.0 Wet temperature, 18.4

Dew-point, 12 R. humidity, 63 V. pressure, 0.70

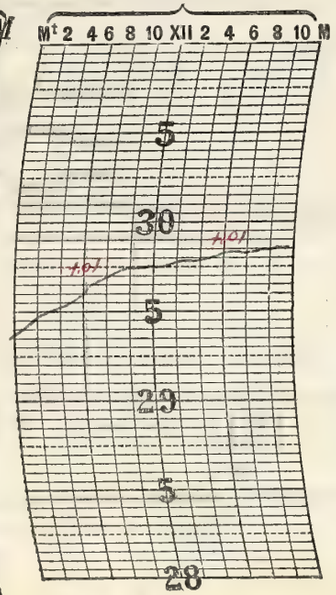
Clouds: Amount, 6/2; Kind, St.Cu.; Direction, NW

Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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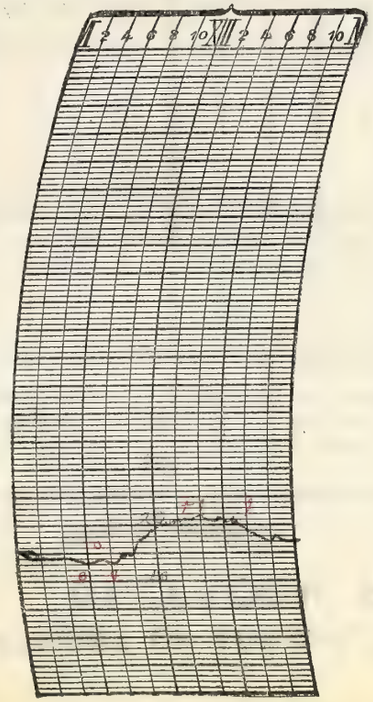


NOTES.

A cloudy and very cold day with light snow during the morning.

Prepared by _____

Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) _____, (*Day of week*) _____, (*Date*) _____, 192

Time (local standard). 90° mer. normal time.

	A. M.												P. M.											
	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	16	15	13	13	12	11	12	12	14	16	18	19	22	23	23	23	23	22	21	20	19	17	15	15
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						←		Clear				×		Pt. Cloudy				×		Clear				→
Sunrise: Time, 7:03 Character, Cloudy																					Sunset: Time, 4:41 Character, Cloudy			
Moonrise: 11:52a																					Moonset: 11:14a			
Sunshine (in tenths of hours)								0	0.7	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0							
Wind direction	NE	NE	NE	E	NE	NE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
Wind movement	6	6	6	5	6	6	7	8	10	13	10	9	8	8	8	8	10	7	9	8	9	9	8	8
Maximum velocities (exceeding 22 miles) direction and time																								

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
23	15	17	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0.2 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt. Cloudy Moon phase, _____

Average daily cloudiness (0–10), 4

Actual sunshine, hours, 9.5 Possible sunshine, hours, 9.6

Per cent of possible sunshine, 98

Prevailing wind direction, E Total wind 192

Average hourly velocity, 8.0 Extreme velocity, 14

Maximum velocity, 14 Direction, E

Time began, 8:14am.

Reduced barometer, 30.92 7 a. m. 30.81 7 p. m.

River gage, 3.0 Feet

Relative humidity, 80 7 a. m. 57 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

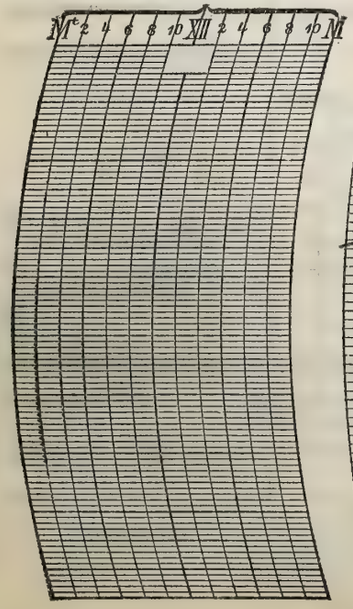
Dry temperature, 19.5 Wet temperature, 17.5

Dew-point, 12 R. humidity, 70 V. pressure, .070

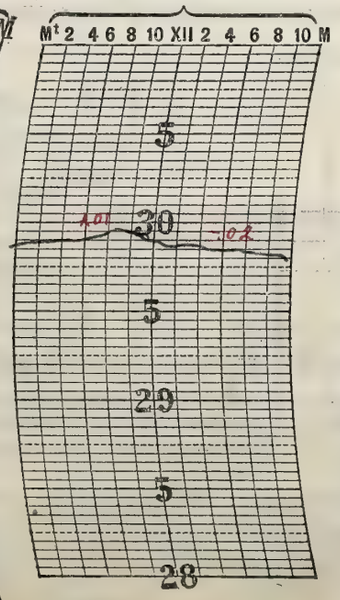
Clouds: Amount, 5; Kind, Cu.; Direction, E.

Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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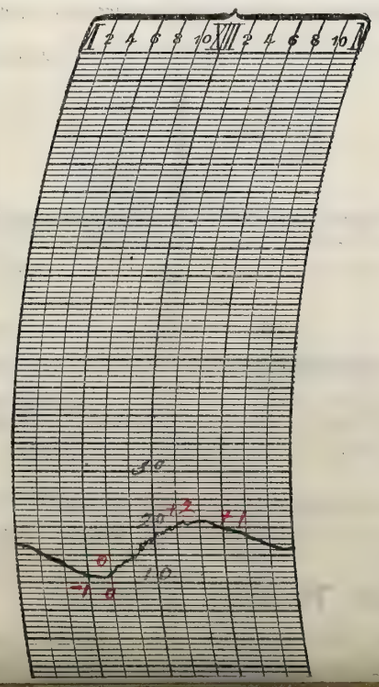


NOTES.

A snappy cloudy and cold day.

Prepared by _____

Verified by P. M. Donough

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) _____, (Date) _____, 192

Time (local standard). 90th mer. normal time.	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	16	17	18	18	20	20	21	22	23	24	25	26
State of weather: Nature of precipitation and time of beginning and ending								SNB 7:15	SNE 8:10 RB 8:10			
Amounts of precipitation								—	—	—	—	—
Cloudiness and other conditions							← Cloudy					
Sunrise: Time, Character,	7:02 Cloudy											
Moonrise:	12:38P											
Sunshine (in tenths of hours)								0	0	0	0	0
Wind direction	E	E	E	SE	SE	SE	SE	SE	SE	SE	SE	SE
Wind movement	8	10	8	8	6	7	7	7	7	7	8	9

Time (local standard). 90th mer. normal time.	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	28	30	31	33	33	34	35	36	37	38	38	37
State of weather: Nature of precipitation and time of beginning and ending	HE 12:50											
Amounts of precipitation	—											
Cloudiness and other conditions				← Cloudy								
Sunset: Time, Character,									4:42 Cloudy			
Moonset:									2:21a			
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	SE	SE	S	S	S	S	S	S	S	S	S	SW
Wind movement	9	10	10	12	12	14	15	16	20	21	21	

Maximum velocities (exceeding 29 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
39	16	26	

Total depth of snow for 24 hours ending 7 p. m., T inches.

Snow, sleet, and hail on ground 7 p. m., T inches.

Total snowfall, midnight to midnight, T inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Cloudy Moon phase, _____

Average daily cloudiness (0-10), 10

Actual sunshine, hours, 0 Possible sunshine, hours, 9.2

Per cent of possible sunshine, 0

Prevailing wind direction, SE Total wind 246

Average hourly velocity, 11.2 Extreme velocity, 26

Maximum velocity, 33 Direction, _____

Time began, 10:15 a.m.

Reduced barometer, 30.64 7 a. m. 30.60 7 p. m.

River gage, 3.0 feet.

Relative humidity, 98 7 a. m. 75 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

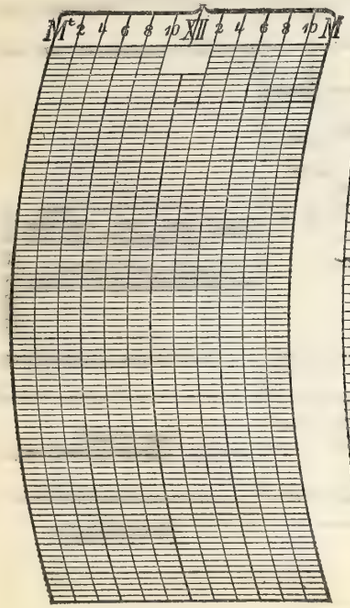
Dry temperature, 27.2 Wet temperature, 26.6

Dew-point, 26 R. humidity, 93 V. pressure, .126

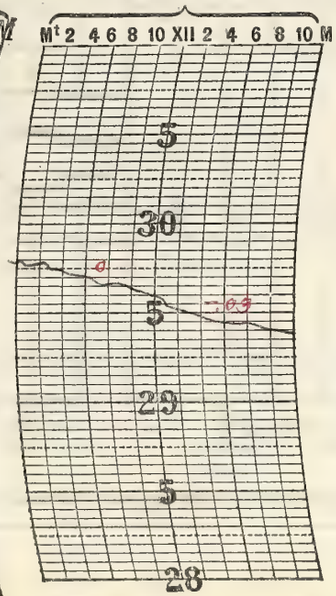
Clouds: Amount, 10; Kind, Nb; Direction, SE

Velocity of clouds (miles per hour)

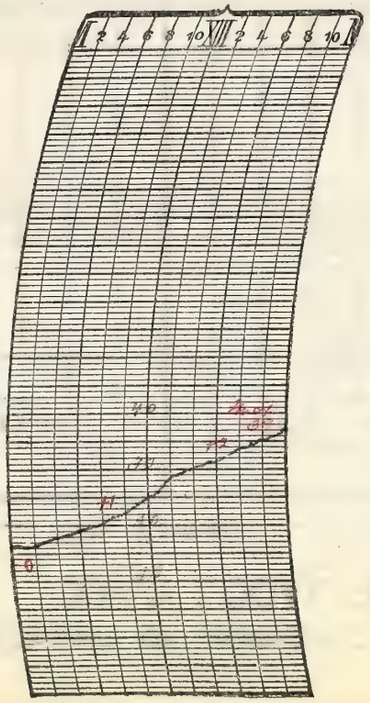
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Shasta and Redwood has ice-coated as a result of rain which fell as it fell making walking dangerous until the late afternoon. Temperatures above freezing temperatures caused slight thawing which became intense during the night.

A cloudy and gloomy day with rain during the morning hours and warm temperatures from the morning to noon.

Prepared by _____

Verified by _____

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) [illegible], (*Day of week*) [illegible], (*Date*) [illegible], 192

Time (local standard). 90 mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	43	43	43	43	43	43	43	43	43	43	44	44
State of weather: Nature of precipitation and time of beginning and ending			RB+E D.R.G									
Amounts of precipitation												
Cloudiness and other conditions	Cloudy						←	Cloudy				→
Sunrise: Time, Character,	2101 Cloudy											
Moonrise:	1522											
Sunshine (in tenths of hours)								0	0	0	0	1.0
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	15	12	12	12	16	15	15	15	15	14	10	10

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	44	44	45	44	43	43	43	43	44	46	45	45
State of weather: Nature of precipitation and time of beginning and ending				RB 335			PE 625					
Amounts of precipitation				—	—	—	—					
Cloudiness and other conditions							Cloudy					→
Sunset: Time, Character,									4:42 Cloudy			
Moonset:									2012			
Sunshine (in tenths of hours)	0.4	0	0	0	0							
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	18	14	15	13	12	13	11	9	10	13	14	14

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
46	39	42	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, [illegible] inches.
Character of day, Cloudy Moon phase, [illegible]
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 1.4 Possible sunshine, hours, 9.[illegible]
Per cent of possible sunshine, 14
Prevailing wind direction, SW Total wind [illegible]
Average hourly velocity, 1.4 Extreme velocity, [illegible]
Maximum velocity, 21 Direction, SW
Time began, 1:32 a.m.
Reduced barometer, 30.21 7 a. m. 30.22 7 p. m.
River gage, 3.0 Fall
Relative humidity, [illegible] a. m. [illegible] p. m.

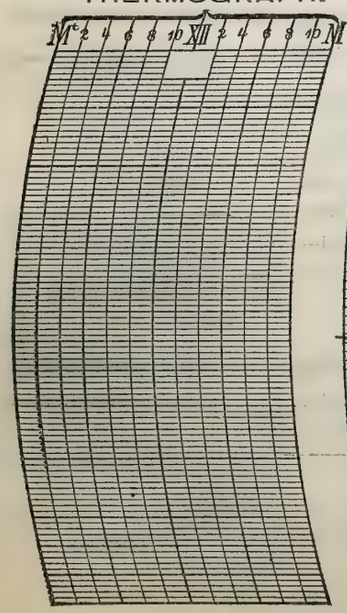
Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

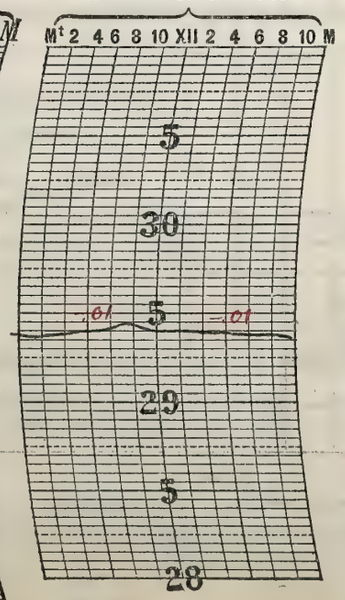
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 45.0 Wet temperature, 44.0
Dew-point, 39 R. humidity, 79 V. pressure, 29.9
Clouds: Amount, 9; Kind, Strat.; Direction, [illegible]
Velocity of clouds (miles per hour) [illegible]

THERMOGRAPH.



BAROGRAPH.



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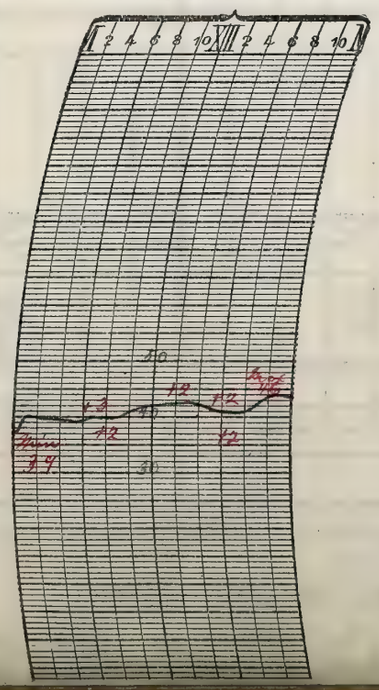


NOTES.

A cloudy and gloomy day with a light sprinkle of rain in the afternoon and moderate temperatures prevailing throughout the day.

Prepared by [illegible]

Verified by P. McDonough

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) July 11, 192

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	46	46	46	46	46	46	46	47	47	48	49	49
State of weather: Nature of precipitation and time of beginning and ending									HB 8:20		HE 10:30	HB 11:03
Amounts of precipitation									—	—	—	—
Cloudiness and other conditions							← Cloudy					
Sunrise: Time, Character, 2:01 Cloudy												
Moonrise: 2:35 P												
Sunshine (in tenths of hours)								0	0	0	0	0
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	14	15	15	17	16	15	14	15	14	14	15	14
Maximum velocities (exceeding 22 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	49	49	49	49	48	48	47	47	47	46	47	47
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation	—	—	—	—	—	—	—	—	—	—	—	—
Cloudiness and other conditions					Cloudy →							
Sunset: Time, Character, 4:47 Cloudy												
Moonset: 4:22												
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	13	12	11	10	9	7	7	5	6	6	5	3
Maximum velocities (exceeding 22 miles) direction and time												

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

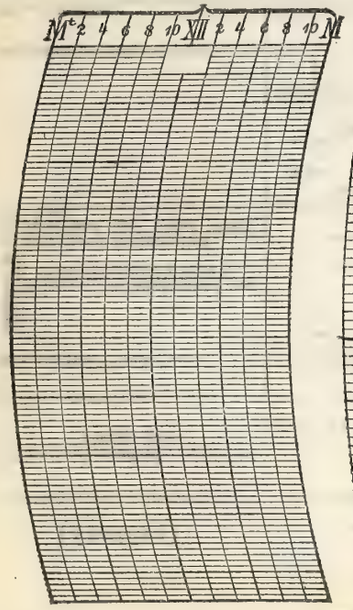
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
49	45	47	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .01 ins.
Total precipitation, midnight to midnight, .02 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 0.2
Per cent of possible sunshine, 0
Prevailing wind direction, SW Total wind 270
Average hourly velocity, 11.3 Extreme velocity, 18
Maximum velocity, 18 Direction, SW
Time began, 4:17 am.
Reduced barometer, 29.23 7 a. m. 29.21 7 p. m.
River gage, 3.0 Feet
Relative humidity, 91 7 a. m. 65 7 p. m.

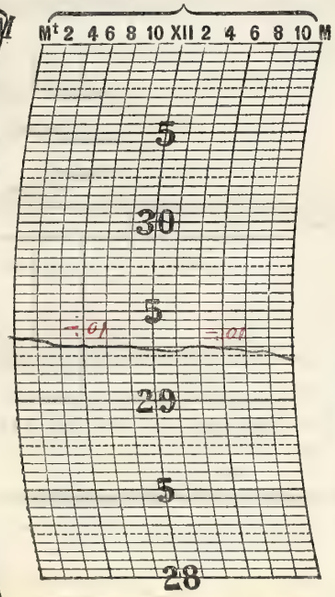
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 48.8 Wet temperature, 47.0
Dew-point, 45 R. humidity, 88 V. pressure, .198
Clouds: Amount, 10; Kind, Nu; Direction,
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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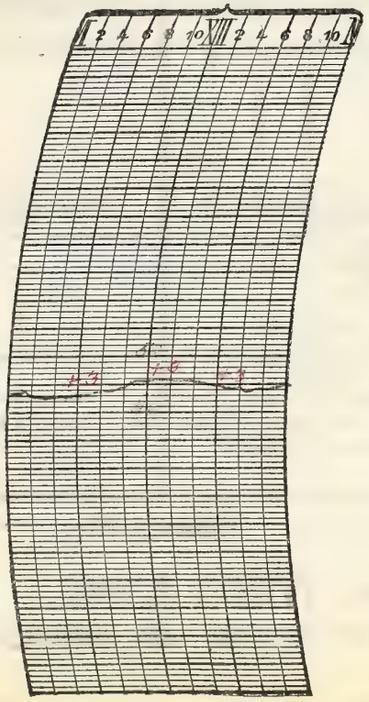


Prepared by
Verified by P. McDonough

8—486

NOTES.

A cloudy, gloomy and rainy day. Dense fog set in at 4:00 P.M. and continued throughout the night.

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) _____, (*Day of week*) _____, (*Date*) _____, 192

Time (local standard). 90th mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	47	47	47	47	48	48	48	48	48	49	49	51
State of weather. Nature of precipitation and time of beginning and ending			RE	DRR				RR 11:25				RE 11:35
Amounts of precipitation	—	—	—	—				—	—	—	—	—
Cloudiness and other conditions								Cloudy				
Sunrise: Time, Character,	7:00 Foggy											
Moonrise:	8:43 P											
Sunshine (in tenths of hours)								0	0	0	0	0
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	5	2	3	6	5	5	7	9	12	14	14	13

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	52	53	53	52	51	50	50	47	45	43	40	37
State of weather. Nature of precipitation and time of beginning and ending			RR 2:35			RE 5:40						
Amounts of precipitation			—	—	—	—						
Cloudiness and other conditions				Cloudy								
Sunset: Time, Character,									4:46 Cloudy			
Moonset:									3:07			
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	SW	SW	SW	SW	W	W	W	W	W	NW	NW	NW
Wind movement	15	16	16	14	13	14	15	15	14	17	15	15

Maximum velocities (exceeding 40 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
52	37	44	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .26 ins.; to 7 p. m., .07 ins.

Total precipitation, midnight to midnight, .33 inches.

Character of day, Cloudy. Moon phase, _____

Average daily cloudiness (0-10), 10

Actual sunshine, hours, 0 Possible sunshine, hours, 7.5

Per cent of possible sunshine, 0

Prevailing wind direction, SW Total wind 522

Average hourly velocity, 11.3 Extreme velocity, 24

Maximum velocity, 32 Direction, W

Time began, 6:06 P.M.

Reduced barometer, 30.11 7 a. m. 30.07 7 p. m.

River gage, 5.4 Fall

Relative humidity, 96 7 a. m. 83 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

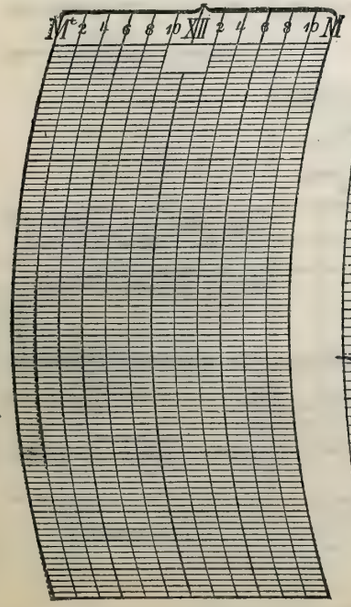
Dry temperature, 50.7 Wet temperature, 49.9

Dew-point, 49 R. humidity, 95 V. pressure, .347

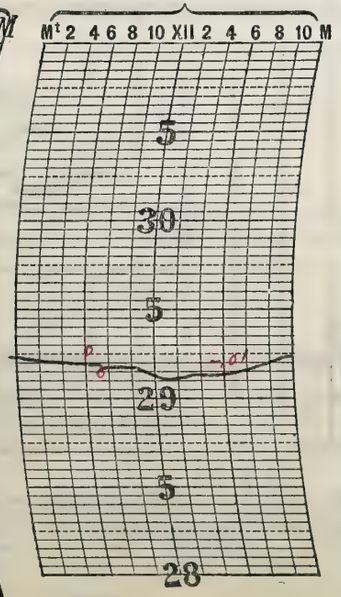
Clouds: Amount, 10; Kind, St 11:F09; Direction, SW SW.

Velocity of clouds (miles per hour)

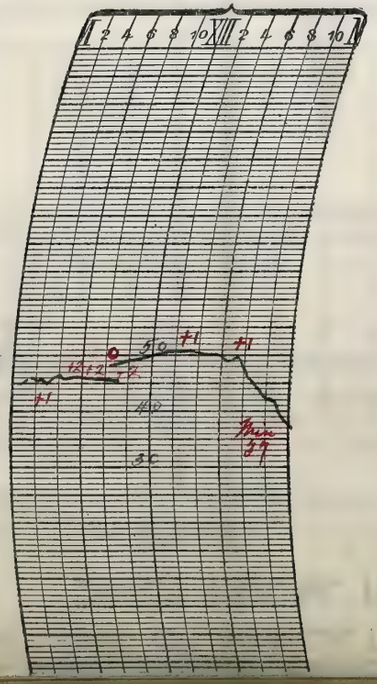
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Dense fog which commenced on the 21st continued throughout the night and became light at 11:25 a.m. This slight fog ended at 5:45 p.m.

A cloudy, foggy, rainy and altogether a very unpleasant day.

Prepared by C.C.S.

Verified by P. McDonough

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, *(Day of week)* _____, *(Date)* _____, 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	36	35	34	33	31	31	31	32	33	35	38	38
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							← Clear					
Sunshine (in tenths of hours)							.02 0	0.7 0.3	1.0	1.0	1.0	1.0
Wind direction	NW	W	W	W	W	SW	SW	W	W	W	NW	NW
Wind movement	11	10	10	11	9	10	9	9	10	11	12	11

Sunrise: Time, 6:59 Character, Clear
Moonrise: 4:59

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	39	41	42	41	40	37	36	35	33	33	33	31
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					← Clear					→		
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	.38 0.4							
Wind direction	NW	W	W	W	W	W	NW	NW	W	N	N	W
Wind movement	12	10	12	11	4	2	3	6	8	11	2	2

Sunset: Time, 4:47 Character, Clear
Moonset: 6:12a

Maximum velocities (exceeding 22 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.

Excessive precipitation, accumulated amounts

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

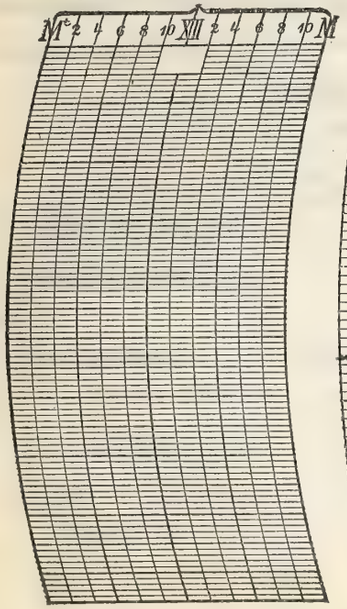
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
42	31	36	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, Full
Average daily cloudiness (0-10), 0
Actual sunshine, hours, 9.8 Possible sunshine, hours, 9.8
Per cent of possible sunshine, 100
Prevailing wind direction, W Total wind
Average hourly velocity, 8.7 Extreme velocity,
Maximum velocity, 14 Direction, W
Time began, 12:09 am
Reduced barometer, 30.25 7 a. m. 7 p. m.
River gage, 9.24 am
Relative humidity, 72 7 a. m. 70 7 p. m.

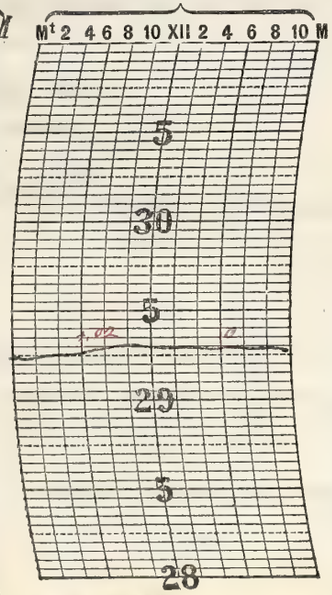
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 38.0 Wet temperature, 34.0
Dew-point, 27 R. humidity, 60 V. pressure, .143
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

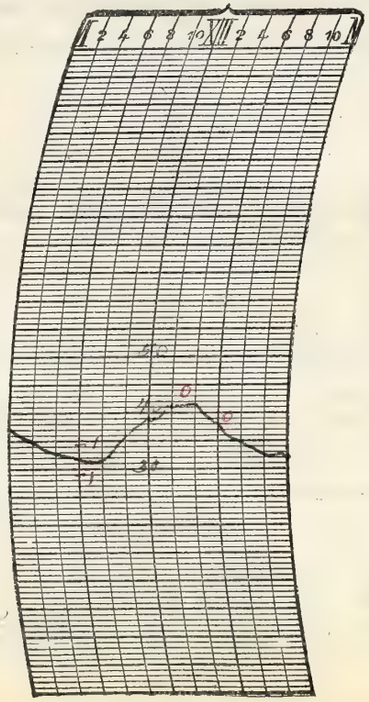
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Clear, cool, and exhilarating day.

Prepared by _____

Verified by J. McDonough

8—186

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) ....., (*Day of week*) ....., (*Date*) ....., 192

Time (local standard). ..... mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	31	31	29	29	28	28	28	27	30	31	31	32
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Clear				×	Pt. Cloudy	
Sunshine (in tenths of hours)							.02 0	0.8 0.2	1.0	1.0	1.0	1.0
Wind direction	W	W	SW	NW	NW	N	N	N	N	N	N	N
Wind movement	3	4	4	5	4	5	6	6	8	11	12	11
Maximum velocities (exceeding 20 miles) direction and time												

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	33	32	32	31	30	30	29	27	26	24	23	21
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions			×		Cloudy							
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.4	0							
Wind direction	N	N	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
Wind movement	12	10	12	12	10	9	10	12	12	13	15	17
Maximum velocities (exceeding 20 miles) direction and time												

Sunrise: Time, 6:59 Character, Clear
Moonrise: 6:14 P

Sunset: Time, 4:48 Character, Cloudy
Moonset: 2:04 A

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

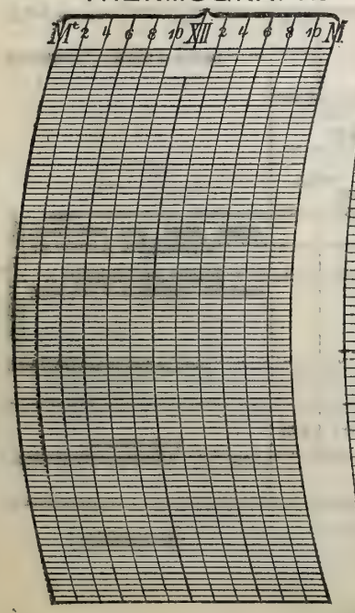
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
33	21	27	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase, ...
Average daily cloudiness (0–10), 6
Actual sunshine, hours, 8.4 Possible sunshine, hours, 9.8
Per cent of possible sunshine, 86
Prevailing wind direction, NE Total wind 220
Average hourly velocity, 9.2 Extreme velocity, ...
Maximum velocity, 19 Direction, NE
Time began, 11:18 p.m.
Reduced barometer, 30.28 7 a. m. 30.41 2 p. m.
River gage, 8.9 Feet
Relative humidity, 80 7 a. m. 5 2 p. m.

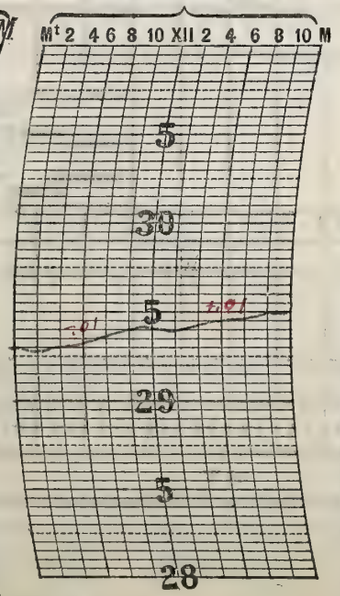
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 32.0 Wet temperature, 32.0
Dew-point, 12 R. humidity, 50 V. pressure, .089
Clouds: Amount, 5; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour) .....

THERMOGRAPH.



BAROGRAPH.



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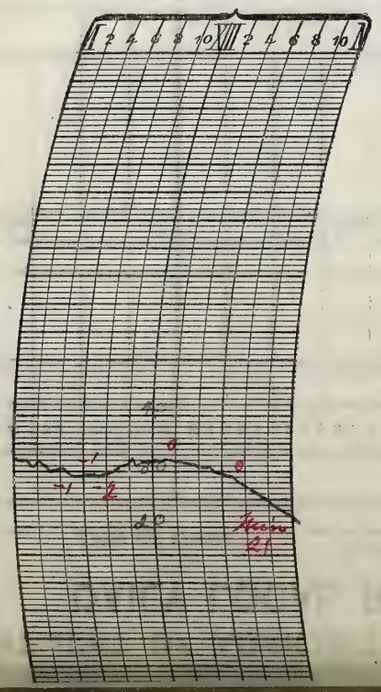


NOTES.

A bracing cloudy, cool and rather exhilarating day.

Prepared by H.O.S.
Verified by P. McDonough

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) ....., *(Day of week)* ....., *(Date)* ....., 192

Time (local standard). 90th mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	20	19	18	17	17	17	18	19	20	19	20	20
State of weather. Nature of precipitation and time of beginning and ending							SPA 6:20				SPE 10:40	
Amounts of precipitation							—	—	—	—	—	
Cloudiness and other conditions							Cloudy		×	Pl. Cloudy		
Sunrise: Time, Character,	6:58 Cloudy											
Moonrise:	7:24p											
Sunshine (in tenths of hours)							0	0	0	0.7	1.0	1.0
Wind direction	E	E	E	E	E	E	E	E	E	E	E	E
Wind movement	14	14	13	14	13	12	13	17	17	21	22	21
Maximum velocities (exceeding 25 miles) direction and time												

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	21	23	22	23	21	19	18	17	17	17	16	16
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions				Pl. Cloudy								
Sunset: Time, Character,									4:49 Cloudy			
Moonset:									2:45a			
Sunshine (in tenths of hours)	1.0	1.0	0.6	0.3	0							
Wind direction	E	E	E	E	E	NE	NE	E	E	E	NE	NE
Wind movement	20	18	17	20	20	17	19	17	17	18	19	17
Maximum velocities (exceeding 25 miles) direction and time												

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
23	16	20	

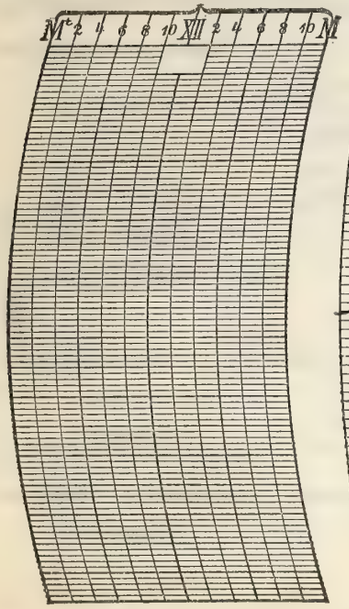
Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pl. Cloudy Moon phase, ...
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 5.6 Possible sunshine, hours, 9.8
Per cent of possible sunshine, 57
Prevailing wind direction, E Total wind 4011
Average hourly velocity, 16.8 Extreme velocity, 23
Maximum velocity, 25 Direction, E
Time began, 1:18 pm
Reduced barometer, 30.52 7 a. m. 30.44 7 p. m.
River gage, 7.3 Feet
Relative humidity, 82 7 a. m. 64 7 p. m.

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

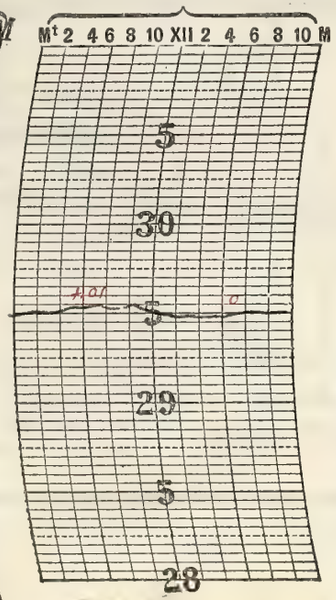
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 18.4 Wet temperature, 16.8
Dew-point, 12 R. humidity, 75 V. pressure, 0.20
Clouds: Amount, 5; Kind, Cu; Direction, E
Velocity of clouds (miles per hour) .....

THERMOGRAPH.



BAROGRAPH.



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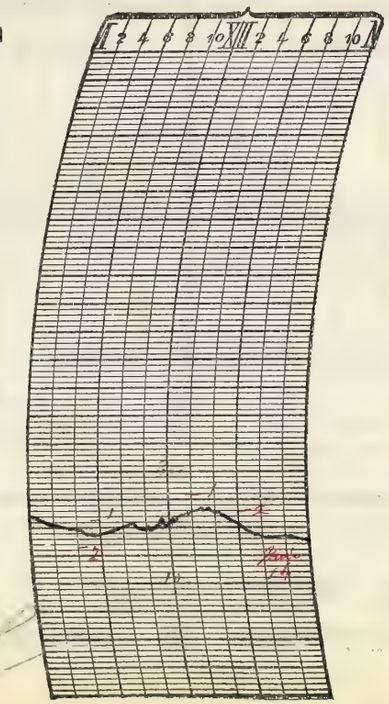


NOTES.

A fourth cloudy and cold day with light dry snow during the morning hours, and, cautiously winds prevalent throughout the 24 hours.

Prepared by .....
Verified by .....

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) ....., (*Day of week*) ....., (*Date*) ....., 192

Time (local standard). ....mer. normal time.	A. M.												P. M.											
	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	15	15	15	15	14	15		15	16	19	22	23	26	27	28	27	26	24	24	22	21	20	19	18
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							Cloudy			Cloudy					Clear									
Sunrise: Time, 6:57 Character, Cloudy. Moonrise: 8:35a																					Sunset: Time, 4:51 Character, Clear. Moonset: 8:22a			
Sunshine (in tenths of hours)							0	0	0	0.6	1.0	1.0	1.0	1.0	1.0	0.1 / 0.2	.85 / 0							
Wind direction	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	E	NE	NE	NE	NE	NE	NE	NE	NE	E	NE	NE
Wind movement	20	20	18	21	20	21	17	17	17	16	16	16	17	14	13	13	11	10	10	8	8	8	7	4
Maximum velocities (exceeding ..... miles) direction and time																								

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
28	14	[illegible]	

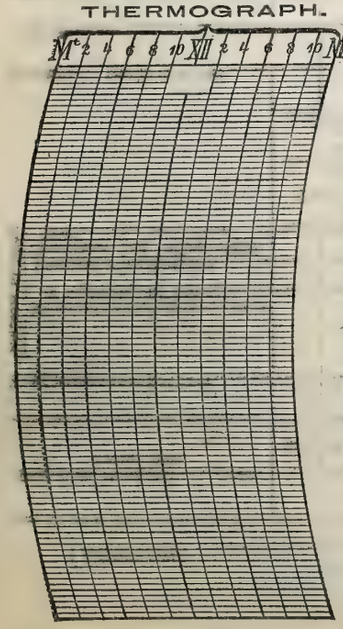
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., ... inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, ... inches.
Character of day, Clear. Moon phase, ...
Average daily cloudiness (0–10), 3
Actual sunshine, hours, 7.4 Possible sunshine, hours, 9.8
Per cent of possible sunshine, 75
Prevailing wind direction, NE Total wind 248
Average hourly velocity, 14.7 Extreme velocity, [illegible]
Maximum velocity, 26 Direction, NE
Time began, 8:07 am
Reduced barometer, 30.50 7 a. m. 30.43 7 p. m.
River gage, 15.5 Fast
Relative humidity, 79 7 a. m. 62 7 p. m.

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

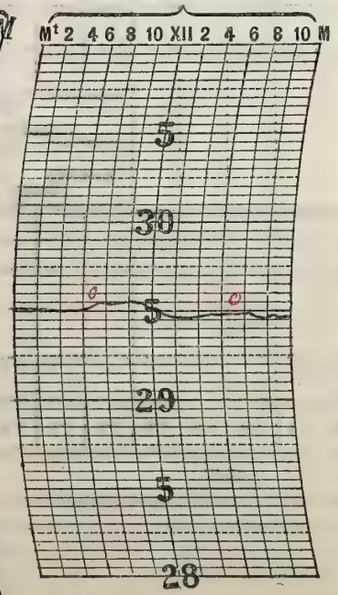
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 22.0 Wet temperature, 20.0
Dew-point, 15 R. humidity, 72 V. pressure, .051
Clouds: Amount, 5; Kind, A.St.; Direction, N.W.
Velocity of clouds (miles per hour) .....

THERMOGRAPH.



BAROGRAPH.



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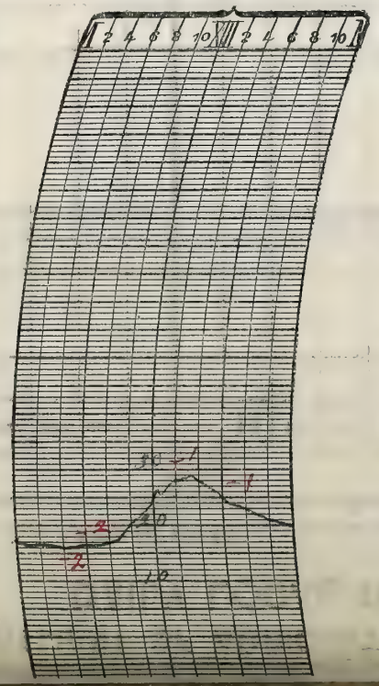


NOTES.

Snow ice to a minor extent observed in seas this morning also a small amount of floating ice.

A frostly cloudy, cold and snow day.

Prepared by [illegible]

Verified by P. McDonough

FORM NO. [illegible]

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) [illegible], (*Day of week*) [illegible], (*Date*) [illegible], 192

Time (local standard). 90th mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	18	18	17	16	16	17	17	18	22	23	28	34
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Pl. Cldy	Cloudy			Pl. Cldy	
Sunrise: Time, 6:56 Character, Cloudy												
Moonrise: 9:44 p												
Sunshine (in tenths of hours)							0	0	0	0	0	0.5
Wind direction	NE	NE	NE	NE	N	N	N	N	N	N	NE	SW
Wind movement	5	3	3	4	3	3	3	3	2	2	1	3
Maximum velocities (exceeding 20 miles) direction and time												

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	27	26	27	26	25	25	25	23	21	21	21	27
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions			Pl. Cloudy									
Sunset: Time, 4:50 Character, Cloudy												
Moonset: 8:57 a												
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.5	0							
Wind direction	SW	W	NW	NW	W	SW	SW	SW	SW	S	SE	SE
Wind movement	4	5	5	5	4	4	3	2	2	3	5	4
Maximum velocities (exceeding 20 miles) direction and time												

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
27	16	22	

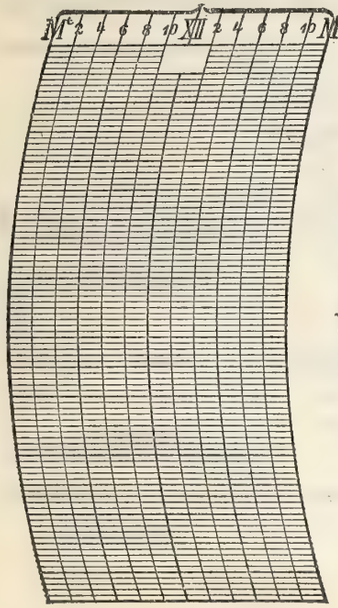
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., ____ inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, ____ inches.
Character of day, Pl. Cloudy Moon phase, ____
Average daily cloudiness (0–10), 5
Actual sunshine, hours, 4.1 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 44
Prevailing wind direction, N + SW Total wind 81
Average hourly velocity, 3.3 Extreme velocity, 6
Maximum velocity, 6 Direction, N
Time began, 2:27 p
Reduced barometer, 30.46 7 a. m. 29.93 7, p. m.
River gage, 11.8 Fee
Relative humidity, 77 7 a. m. 64 7 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

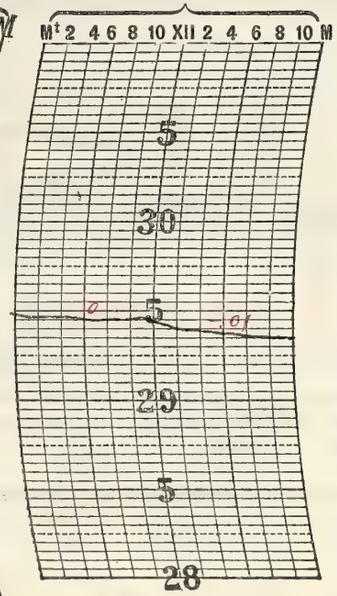
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 31.2 Wet temperature, 28.0
Dew-point, 22 R. humidity, 67 V. pressure, .113
Clouds: Amount, 6; Kind, A St; Direction, NW
Velocity of clouds (miles per hour)

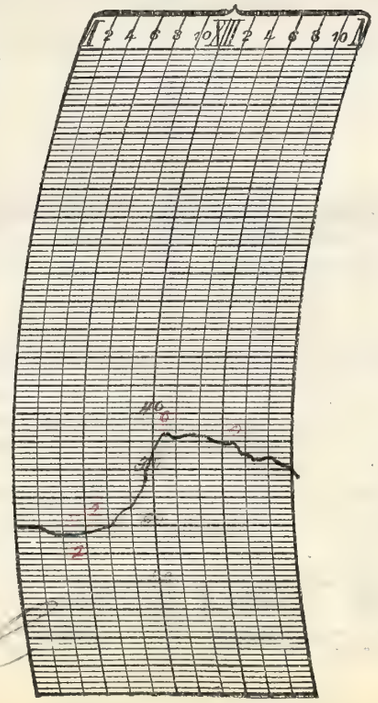
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Shower ice and some flooding ice observed on sewer this morning. A partly cloudy day with a moderate amount of sunshine and moderate temperatures beginning in the middle of the morning.

Prepared by [illegible]
Verified by [illegible]

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) _____, (*Day of week*) _____, (*Date*) _____, 192

Time (local standard): 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	28	25	24	23	24	27	28	30	33	37	39	41
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	x Cloudy						← Cloudy					
Sunrise: Time, 6:55 Character, Cloudy												
Moonrise: 10:32												
Sunshine (in tenths of hours)							0	0	0	0.8	0.8	0.3
Wind direction	SE	S	S	SE	SE	SE	S	S	S	S	S	S
Wind movement	3	2	2	3	3	3	6	7	6	8	8	8
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	42	43	43	42	40	40	39	38	36	34	34	34
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Cloudy			x Cloudy		x Clear						
Sunset: Time, 4:53 Character, Cloudy												
Moonset: 9:30												
Sunshine (in tenths of hours)	1.0	0.5	0.6	0.1	0							
Wind direction	S	S	S	S	S	S	S	S	S	S	SW	SW
Wind movement	9	8	12	11	8	8	7	8	9	9	10	6
Maximum velocities (exceeding 29 miles) direction and time												

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
44	23	34	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 0 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, _____ inches.

Character of day, Cloudy Moon phase, _____

Average daily cloudiness (0-10), 5

Actual sunshine, hours, 4.1 Possible sunshine, hours, 10.1

Per cent of possible sunshine, 41

Prevailing wind direction, S Total wind 15

Average hourly velocity, 6.8 Extreme velocity, 15

Maximum velocity, 17 Direction, S

Time began, 4:59 pm

Reduced barometer, 30.62 a. m. 30 p. m.

River gage, 4.85 ice

Relative humidity, 6 a. m. 5 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

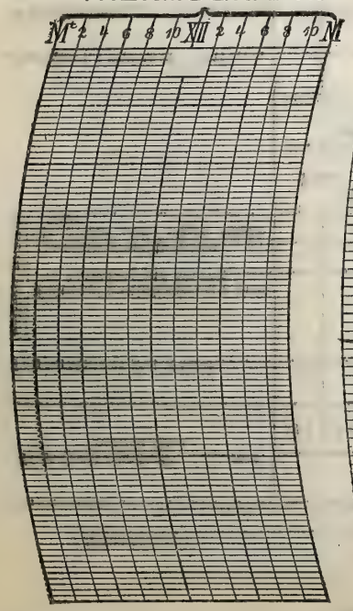
Dry temperature, 40.0 Wet temperature, 33.0

Dew-point, 20 R. humidity, 46 V. pressure, .14

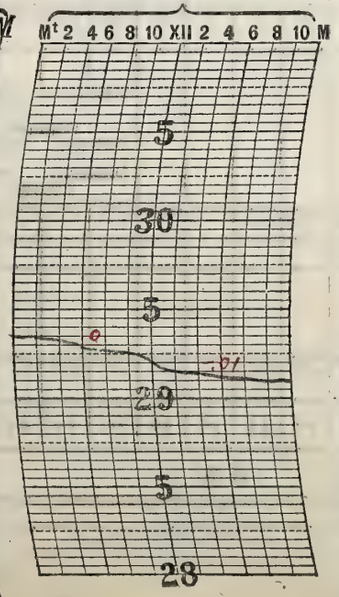
Clouds: Amount, 9; Kind, Nimb; Direction, _____

Velocity of clouds (miles per hour) _____

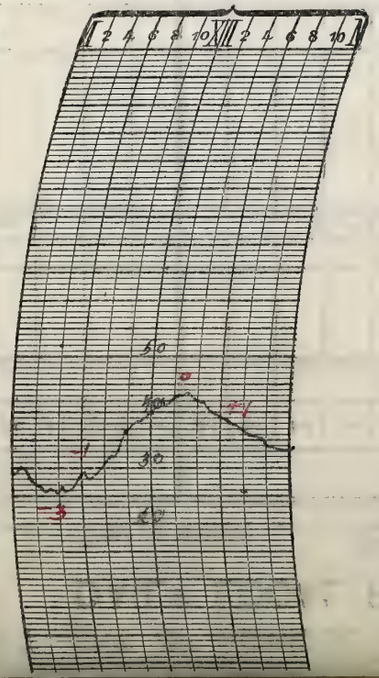
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A small amount of shore ice and floating ice observed on river this morning.

A cloudy day with moderate temperatures.

Prepared by E.E.B.

Verified by P. M. Donough

FORM NO. [illegible]

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) Saturday, (Date) [illegible], 192

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	32	32	32	32	33	33	34	35	35	36	37	37
State of weather: Nature of precipitation and time of beginning and ending											1PB 10:50	
Amounts of precipitation												
Cloudiness and other conditions	← Cloudy →						← Cloudy					
Sunrise: Time, Character,	6:55 Cloudy											
Moonrise:	11:52P											
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	SW	SW	S	S	S	S	S	S	S	S	S	S
Wind movement	7	6	6	7	6	6	5	5	6	7	7	7
Maximum velocities (exceeding 22 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	38	38	38	39	38	38	38	37	36	36	36	36
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	← Cloudy →								→			
Sunset: Time, Character,									4:54 Cloudy			
Moonset:									10:44a			
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	S	S	S	S	SE	SE	SE	NE	E	E	NE	NE
Wind movement	8	8	6	4	2	2	3	3	4	4	4	4
Maximum velocities (exceeding 22 miles) direction and time												

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
39	32	36	

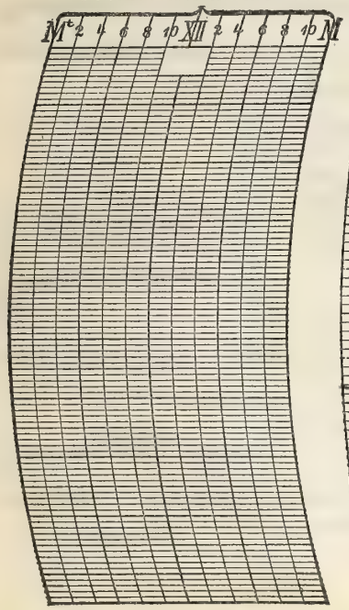
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0.35 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 11.2
Per cent of possible sunshine, 0
Prevailing wind direction, S Total wind 13.1
Average hourly velocity, 5.5 Extreme velocity, 1
Maximum velocity, 11 Direction,
Time began, 10:18 a.m.
Reduced barometer, 29.85 7 a. m. 29.87 7 p. m.
River gage, 3.9 Rise
Relative humidity, 81 7 a. m. 7 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

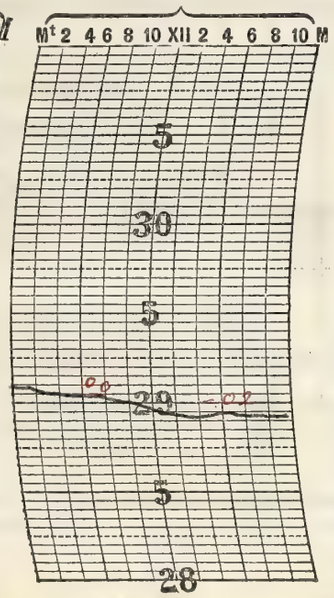
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 38.0 Wet temperature, 37.0
Dew-point, 36 R. humidity, 91 V. pressure, .211
Clouds: Amount, 10; Kind, Nb; Direction, S
Velocity of clouds (miles per hour)

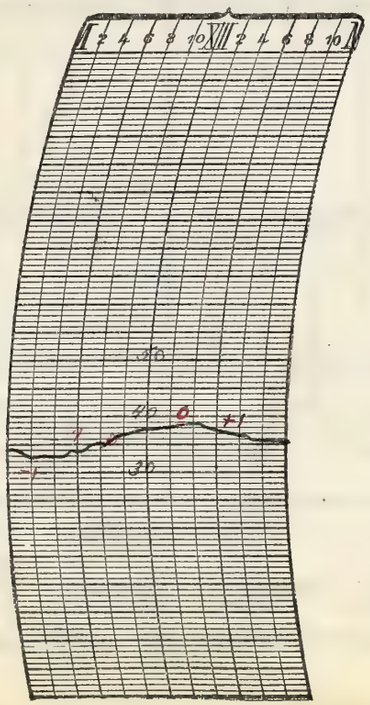
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Prepared by
Verified by P. M. Donough

8—486

NOTES.

Estimated.

A small amount of shore and floating ice observed on river this morning.

A cold wave warning was received at 9:02 a.m., and bulletin in regular am. forecast. It was published on all bulletins and furnished to the telephone company.

Light snow began at 5:10 p.m. and continued during the night.

A cloudy day with rain and moderate temperature.

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) ....., (Day of week) ....., (Date) ....., 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	35	35	35	35	35	34	34	33	34	34	34	34
State of weather: Nature of precipitation and time of beginning and ending			RE DNA				RB 6:15				RE 10:53 SmB 10:53	SmE 11:15 RB 11:15 RE 11:30
Amounts of precipitation	—	—	—				—	—	—	—	—	—
Cloudiness and other conditions								Cloudy				
Sunrise: Time, 6:54 Character, Cloudy												
Moonrise:												
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
Wind movement	7	8	10	12	13	14	13	18	17	14	16	16

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	34	34	34	33	32	31	30	29	29	28	28	27
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation	—	—	—	—	—	—	—	—	—	—	—	—
Cloudiness and other conditions				Cloudy						→		
Sunset: Time, 4:55 Character, Cloudy												
Moonset: 10:40a												
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	NE	NE	NE	NE	N	N	NE	N	N	N	N	N
Wind movement	15	17	18	14	14	13	14	11	10	9	10	7

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
36	27	31	

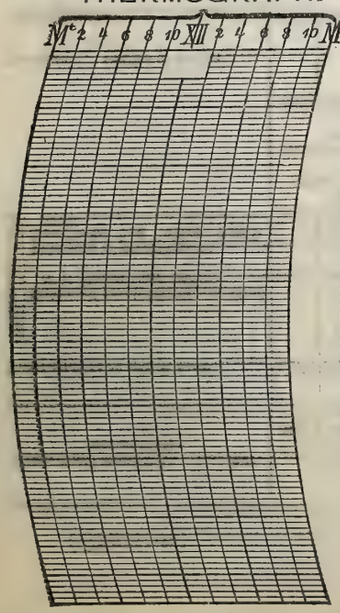
Total depth of snow for 24 hours ending 7 p. m., 5.0 inches.
Snow, sleet, and hail on ground 7 p. m., ... inches.
Total snowfall, midnight to midnight, 2.0 inches.
Precipitation to 7 a. m., .14 ins.; to 7 p. m., .18 ins.
Total precipitation, midnight to midnight, .32 inches.
Character of day, Cloudy Moon phase, L. Q. 2:02 a.m.
Average daily cloudiness (6-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 10.0
Per cent of possible sunshine, 0
Prevailing wind direction, NE Total wind 312
Average hourly velocity, 13.0 Extreme velocity, 24
Maximum velocity, 31 Direction, NE
Time began, 7:46 a.m.
Reduced barometer, 29.83 7 a. m. 29.86 2, p. m.
River gage, 4.5 Fall
Relative humidity, 81 7 a. m. 95 2 p. m.

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

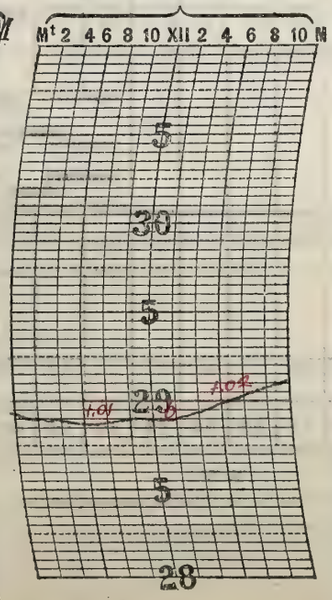
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 34.0 Wet temperature, 32.8
Dew-point, 31 R. humidity, 88 V. pressure, .192
Clouds: Amount, 10; Kind, Nb; Direction, NE
Velocity of clouds (miles per hour)

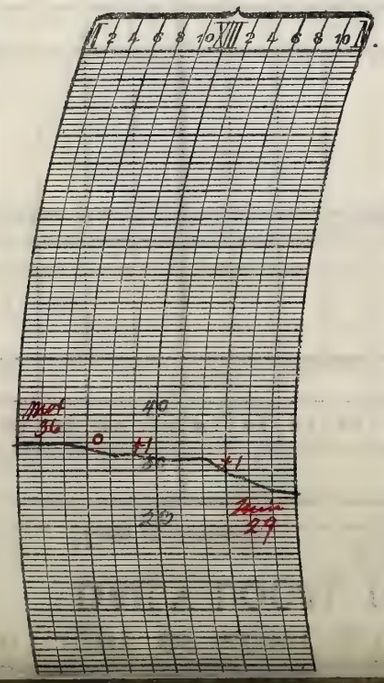
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Prepared by .....

Verified by .....

NOTES.

Lt. Fog which commenced on the 29th ended during night a.m.

At 12:00 o'clock noon (75th Meridian Time) observation called for by the Central Office

During the morning hours when the snow commenced it melted as it fell to the amount of about two-tenths of an inch

A cloudy and cool day with some rain and quite a bit of snow.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) [illegible], (*Day of week*) Monday, (*Date*) [illegible], 192

Time (local standard). 90° mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	26	26	26	26	25	25	25	25	24	25	26	26
State of weather: Nature of precipitation and time of beginning and ending											S^m E 10:10	
Amounts of precipitation	—	—	—	—	—	—	—	—	—	—	—	
Cloudiness and other conditions							← Cloudy					
Sunshine (in tenths of hours)							0	0	0	1.0	0.8	1.0
Wind direction	N	N	N	N	N	N	N	N	N	NE	NE	N
Wind movement	8	6	6	6	5	6	5	6	7	8	7	6

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	28	27	27	27	26	25	26	25	23	21	20	19
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions			× Cldy, × Clear			× Pt. Cloudy			→			
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	.25 0							
Wind direction	NE	NE	N	NE	NE	NE	NE	NE	NE	N	N	E
Wind movement	8	7	8	6	3	3	2	1	2	3	4	5

Sunrise: Time, 6:53 Character, Cloudy
Moonrise: 12:53 a.

Sunset: Time, 4:57 Character, Clear
Moonset: 11:16 a.

Maximum velocities (exceeding 22 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

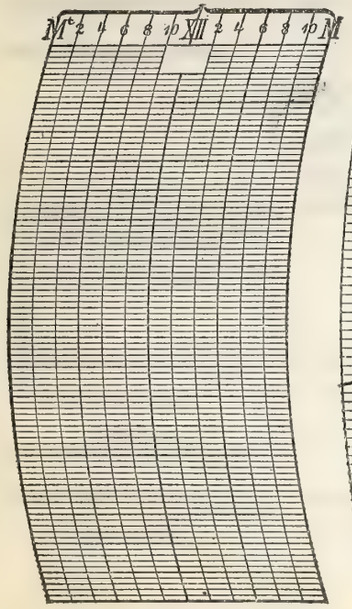
	Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
	28	18	23	

Total depth of snow for 24 hours ending 7 p. m., 2.0 inches.
Snow, sleet, and hail on ground 7 p. m., 3.5 inches.
Total snowfall, midnight to midnight, 1.7 inches.
Precipitation to 7 a. m., .16 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .08 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0–10), 8
Actual sunshine, hours, 2.8 Possible sunshine, hours, 10.1
Per cent of possible sunshine, 27
Prevailing wind direction, NE Total wind 126
Average hourly velocity, 5.3 Extreme velocity, 12
Maximum velocity, 10 Direction, NE
Time began, 9:44 a.m.
Reduced barometer, 30.23 7 a. m. 30.17 7 p. m.
River gage, 4.9 Feet
Relative humidity, 89 7 a. m. 82 7 p. m.

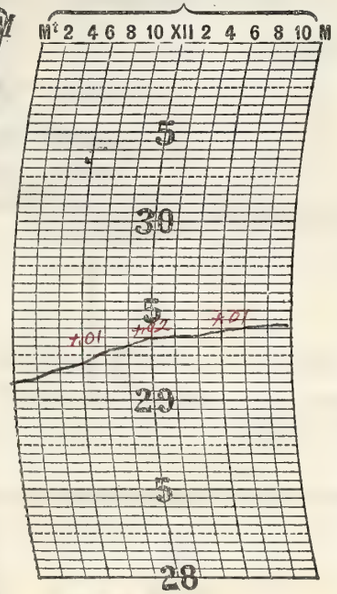
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 27.2 Wet temperature, 24.0
Dew-point, 17 R. humidity, 63 V. pressure, .089
Clouds: Amount, 9; Kind, St Cu.; Direction, NE
Velocity of clouds (miles per hour)

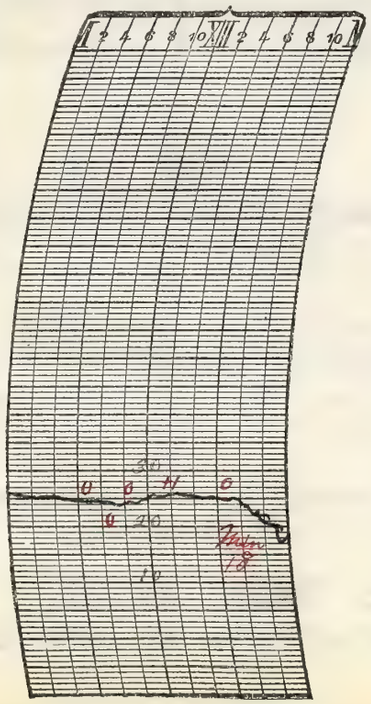
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Prepared by [illegible]
Verified by P. McDonough

8—486

NOTES.

ø Estimated.
* Sunshine from 1:24 pm by eye observation

Special 12 Noon (75th Meridian Time) observation called for by Central Office.

A cloudy and cold day with moderate sunshine.

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) _____, (Date) _____, 192

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	20	18	16	16	15	15	—	16	18	21	23	24
State of weather: Nature of precipitation and time of beginning and ending												S 9:15 B 11:15
Amounts of precipitation												
Cloudiness and other conditions							← Cloudy					
Sunrise: Time, Character,	6:52 Cloudy											
Moonrise:	1:40a											
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	E	E	E	E	E	E	E	E	E	E	E	E
Wind movement	2	1	5	2	4	4	5	5	4	6	4	4
Maximum velocities (exceeding ___ miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	24	26	26	28	27	28	29	28	27	26	26	25
State of weather: Nature of precipitation and time of beginning and ending				S 0/E 3:40								
Amounts of precipitation												
Cloudiness and other conditions												
Sunset: Time, Character,									4:55 Cloudy			
Moonset:									11:58a			
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	E	E	E	E	NE	S	S	W	W	W	W	W
Wind movement	5	4	3	2	3	3	4	7	6	9	5	6
Maximum velocities (exceeding ___ miles) direction and time												

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
29	15	22	

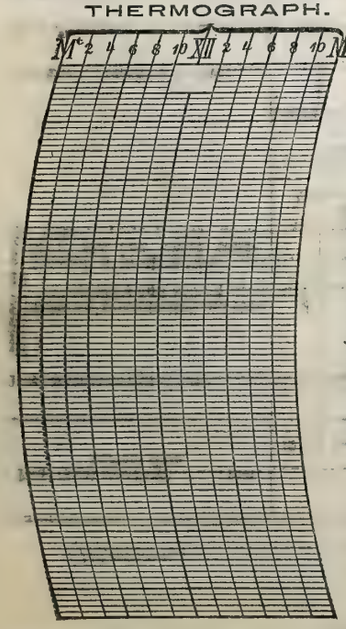
Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 3.0 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., ___ ins.; to 7 p. m., ___ ins.
Total precipitation, midnight to midnight, ___ inches.
Character of day, Cloudy Moon phase, ___
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 10.1
Per cent of possible sunshine, 0
Prevailing wind direction, E Total wind ___
Average hourly velocity, ___ Extreme velocity, ___
Maximum velocity, 11 Direction, ___
Time began, 9:10 p.m.
Reduced barometer, 30.35 7 a. m. 30.25 7 p. m.
River gage, 4.0 Feet
Relative humidity, 86 7 a. m. 87 7 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

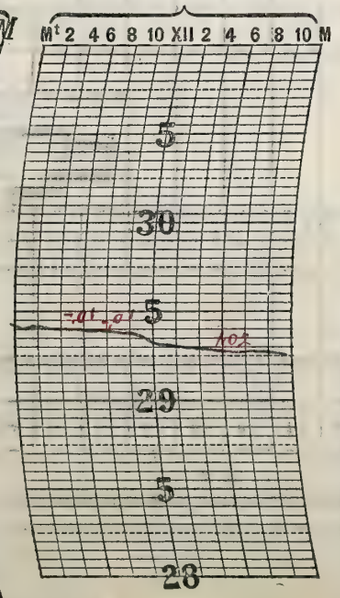
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 25.0 Wet temperature, 23.0
Dew-point, 19 R. humidity, 75 V. pressure, .098
Clouds: Amount, 10; Kind, Nb; Direction, E
Velocity of clouds (miles per hour)

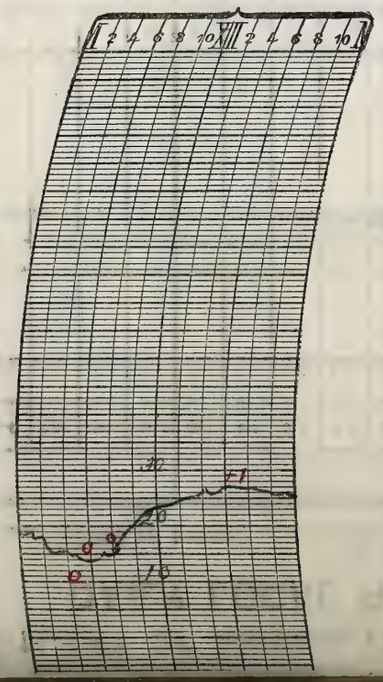
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A cloudy and cold day with snow and rather gloomy. The heavy clouds which prevailed necessitated the use of artificial light for the performance of indoor work throughout the day.

Due to daylight thawing and night time freezing unclaimed sidewalks were icy and slippery.

Light shore ice formed on the river this morning.

Prepared by _____

Verified by: D. McDonough

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) _____, (Date) _____, 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	25	25	26	26	26	27	27	27	27	28	29	30
State of weather: Nature of precipitation and time of beginning and ending		SPB 15:02	SPE DNA			SPB 545				SPE 930		
Amounts of precipitation												
Cloudiness and other conditions						← Cloudy						
Sunrise: Time, Character,	6:51 Cloudy											
Moonrise:	2:44a											
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	W	W	W	W	W	SW	SW	SW	SW	SW	SW	SW
Wind movement	9	10	9	9	8	7	9	11	12	11	13	13

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	32	33	33	33	33	33	33	32	30	30	31	32
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Cloudy →					
Sunset: Time, Character,									4:59 Cloudy			
Moonset:									12:43p			
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	14	15	15	14	13	15	12	11	14	15	16	17

Maximum velocities (exceeding 29 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.

Excessive precipitation, accumulated amounts

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
33	25	29	

Total depth of snow for 24 hours ending 7 p. m., T inches.

Snow, sleet, and hail on ground 7 p. m., 2.8 inches.

Total snowfall, midnight to midnight, T inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Cloudy Moon phase, _____

Average daily cloudiness (0-10), 10

Actual sunshine, hours, 0 Possible sunshine, hours, _____

Per cent of possible sunshine, 0

Prevailing wind direction, SW Total wind 291

Average hourly velocity, 12.1 Extreme velocity, 22

Maximum velocity, 19 Direction, SW

Time began, 11:26 pm.

Reduced barometer, 30.[illegible] 7 a. m. 29.93 7 p. m.

River gage, 3.8 Feet.

Relative humidity, 88 7 a. m. 88 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

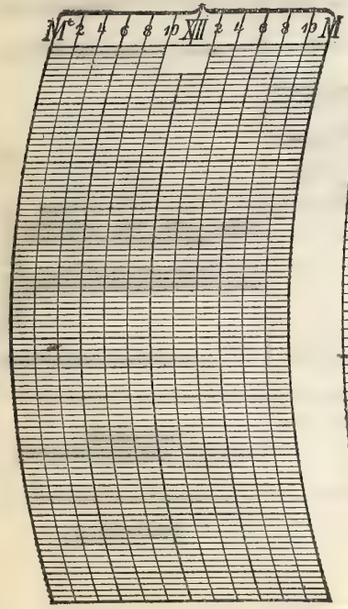
Dry temperature, 31.7 Wet temperature, 29.2

Dew-point, 25 R. humidity, 74 V. pressure, .130

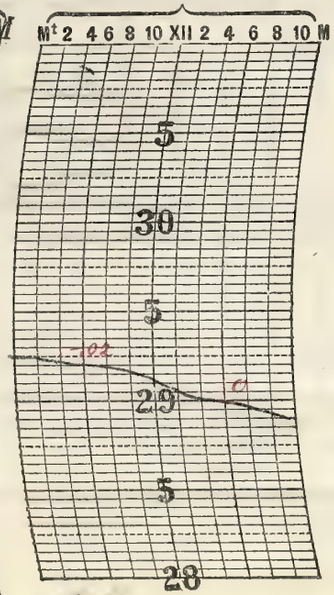
Clouds: Amount, 10; Kind, SCu; Direction, SW

Velocity of clouds (miles per hour)

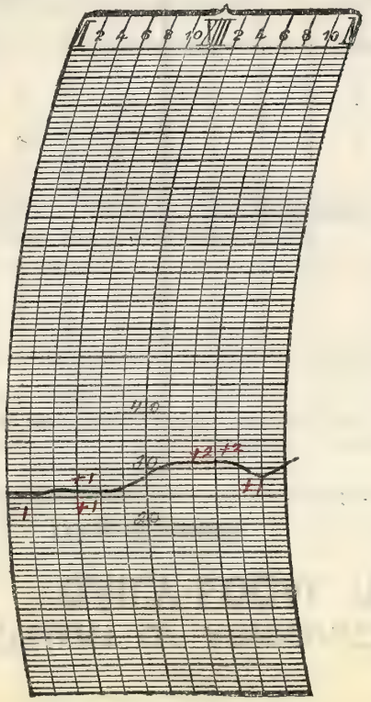
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Uncleaned sidewalks were icy and slippery on account of the snow melting during the day and freezing through the night.

A cloudy, cold and gloomy day. Light snow or ice started in the city this morning.

Prepared by _____

Verified by _____

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) Fort Wayne, Ind., (*Day of week*) Thursday, (*Date*) FEB 3 1921, 192

Time (local standard). 90th mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	33	34	32	32	34	34	32	33	33	33	33	33
State of weather. Nature of precipitation and time of beginning and ending			S 70 + E Drizz									
Amounts of precipitation			—	—	—							
Cloudiness and other conditions						←		Cloudy				
Sunrise: Time, Character,	6:52 Cloudy											
Moonrise:	3:34 a											
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	SW	SW	SW	SW	SW	SW	W	W	W	W	W	W
Wind movement	18	20	17	18	12	12	10	5	7	7	6	6

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	34	34	35	36	37	36	35	34	33	32	31	30
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions			Cloudy				+ Pcpt +		Clear			→
Sunset: Time, Character,									5:01 Cloudy			
Moonset:									11:31 P			
Sunshine (in tenths of hours)	0	0	0	0	0	0						
Wind direction	W	SW	SW	SW	SW	SE	SE	SE	E	E	SE	SE
Wind movement	6	6	5	5	3	4	5	4	6	6	5	4

Maximum velocities (exceeding 20 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
37	30	34	

Total depth of snow for 24 hours ending 7 p. m., 0.1 inches.

Snow, sleet, and hail on ground 7 p. m., 4.2 inches.

Total snowfall, midnight to midnight, 0.1 inches.

Precipitation to 7 a. m., 0.1 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, ... inches.

Character of day, Cloudy Moon phase, ...

Average daily cloudiness (0–10), 10

Actual sunshine, hours, 0 Possible sunshine, hours, 0

Per cent of possible sunshine, 0

Prevailing wind direction, SW Total wind 204

Average hourly velocity, 8.5 Extreme velocity, ...

Maximum velocity, 25 Direction, SW

Time began, 1:15 am

Reduced barometer, 29.84 7 a. m. 29.89 2, p. m.

River gage, 4.0 Fall

Relative humidity, 82 7 a. m. 62 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

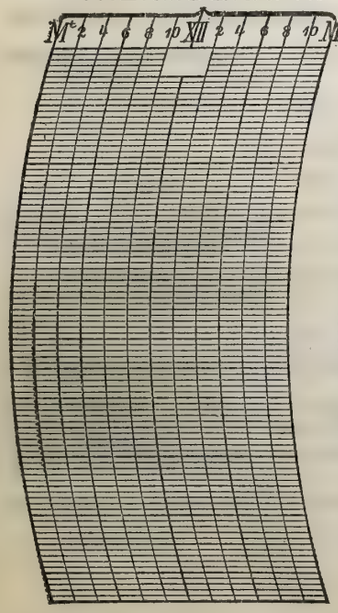
Dry temperature, 34.1 Wet temperature, 31.0

Dew-point, 27 R. humidity, 71 V. pressure, .163

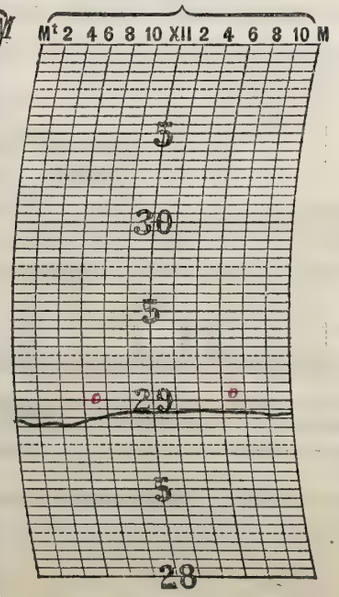
Clouds: Amount, 10; Kind, St; Direction, W

Velocity of clouds (miles per hour)

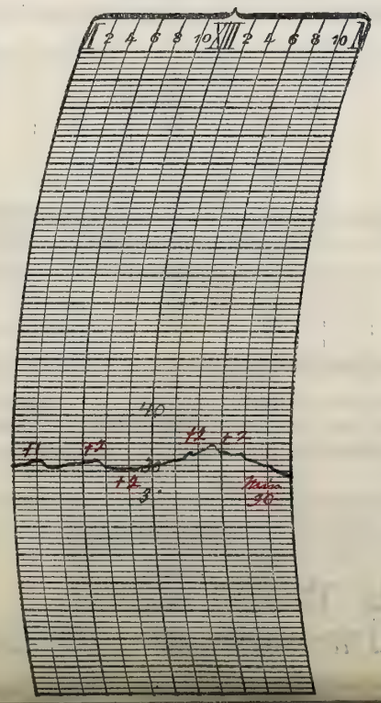
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A cloudy day with mild temperature which caused rapid thawing of the snow and ice.

Prepared by [illegible]

Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) ....., (*Day of week*) ....., (*Date*) ....., 192

Time (local standard). 90½ mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	29	29	34	37	37	38	38	37	38	39	39	40
State of weather. Nature of precipitation and time of beginning and ending												11:35
Amounts of precipitation												—
Cloudiness and other conditions	Cloudy					←			Cloudy			
Sunshine (in tenths of hours)							0	0	0	0.8	0.2	0
Wind direction	SE	SE	S	S	S	S	S	S	S	S	SW	SW
Wind movement	4	3	7	10	12	11	11	12	13	14	14	10

Sunrise: Time, 6:49; Character, Cloudy. Moonrise: 4:18a

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	39	39	39	38	38	38	38	38	38	38	38	37
State of weather. Nature of precipitation and time of beginning and ending								1:35				
Amounts of precipitation	—	—	—	—	—	—	—	—				
Cloudiness and other conditions				Cloudy						× Fog		
Sunshine (in tenths of hours)	0	0	0	0	0	0						
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	W
Wind movement	13	10	9	11	11	10	8	6	5	5	3	3

Sunset: Time, 5:02; Character, Cloudy. Moonset: 2:22p

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
40	29	34	

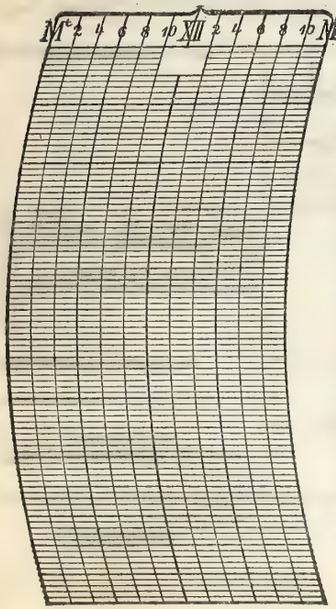
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .06 ins.
Total precipitation, midnight to midnight, .06 inches.
Character of day, Cloudy Moon phase, ...
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 1.0 Possible sunshine, hours, 10.2
Per cent of possible sunshine, 10
Prevailing wind direction, SW Total wind 217
Average hourly velocity, 9.0 Extreme velocity, 17
Maximum velocity, 16 Direction, S
Time began, 9:47 a.m.
Reduced barometer, 29.74 7 a. m. 29.72 7 p. m.
River gage, 3.9 Fall
Relative humidity, 45 7 a. m. ..... p. m.

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

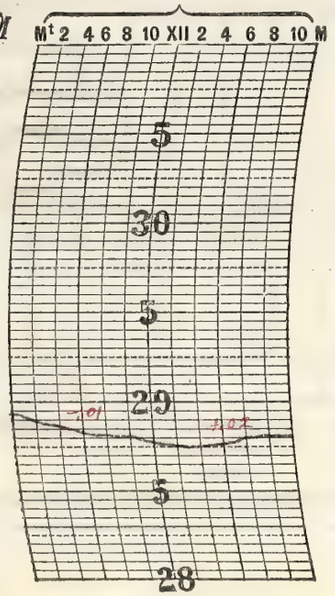
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 40.4 Wet temperature, 36.0
Dew-point, 30 R. humidity, 65 V. pressure, 11.4
Clouds: Amount, 10; Kind, Nb; Direction, SW
Velocity of clouds (miles per hour) .....

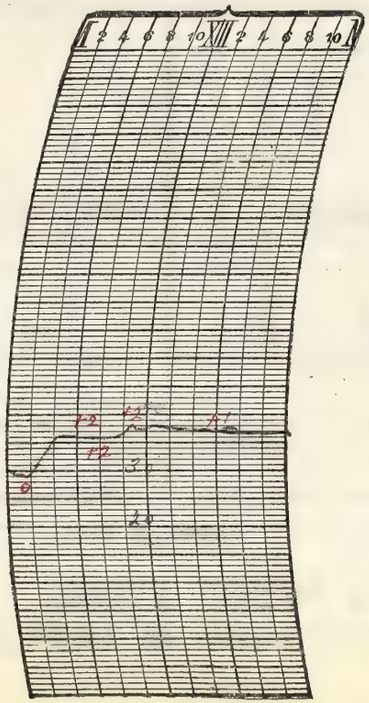
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Thawing of ice and snow continued from yesterday during the major portion of the night making the streets and sidewalks slushy and sloppy.

A cloudy and dreary though mild day with light rain falling during the major portion of the daylight hours and during the early evening.

Rapid thawing during the day made streets and sidewalks mushy and sloppy.

Dense fog came at 9:50 p.m. and continued through the night.

Prepared by .....

Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) ....., (*Day of week*) ....., (*Date*) ....., 192

Time (local standard). 90th mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	36	35	35	35	35	34	35	34	34	34	36	36
State of weather: Nature of precipitation and time of beginning and ending									✓	RG 9:35	—	RE 11:27
Amounts of precipitation										—	—	—
Cloudiness and other conditions						<	Foggy			×	Cloudy	
Sunrise: Time, Character,	6:48 Foggy											
Moonrise:	5:00a											
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	W	NE	E	E	NE	NE	NE	NE	NE	NE	NE	NE
Wind movement	3	5	5	6	6	8	8	9	11	9	7	8

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	37	39	39	38	37	35	35	35	35	33	33	33
State of weather: Nature of precipitation and time of beginning and ending	✓			✓	RB 4:18	—	RE 6:10	✓				
Amounts of precipitation					—	—	—					
Cloudiness and other conditions			Cloudy									
Sunset: Time, Character,									5:03 Cloudy			
Moonset:									3:15P			
Sunshine (in tenths of hours)	0	0	0	0	0	0						
Wind direction	NE	NE	N	NW	NW	N	N	N	W	W	W	W
Wind movement	8	5	6	7	8	7	5	3	5	9	9	7

Maximum velocities (exceeding 25 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

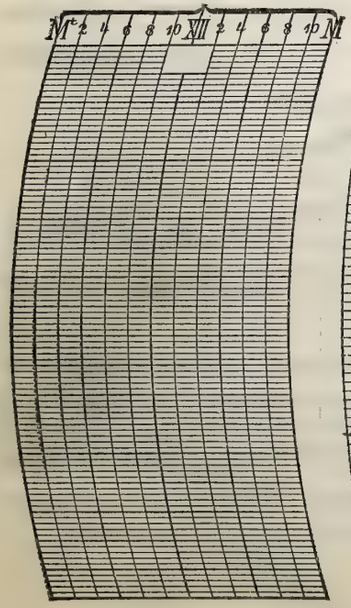
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
39	33	36	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase, ...
Average daily cloudiness (0-10), 6.6
Actual sunshine, hours, 0 Possible sunshine, hours, 10.2
Per cent of possible sunshine, 0
Prevailing wind direction, NE Total wind 114
Average hourly velocity, 6.8 Extreme velocity, 12
Maximum velocity, 12 Direction, NE
Time began, 8:30 a.m.
Reduced barometer, 29.64 7 a. m. ..... 7 p. m.
River gage, 4.9 Falls
Relative humidity, 86 7 a. m. ..... 7 p. m.

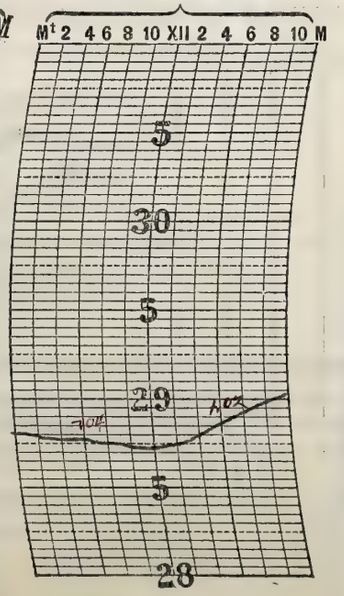
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 35.7 Wet temperature, 34.7
Dew-point, 34 R. humidity, 94 V. pressure, .192
Clouds: Amount, 10; Kind, St; Direction, NE
Velocity of clouds (miles per hour).....

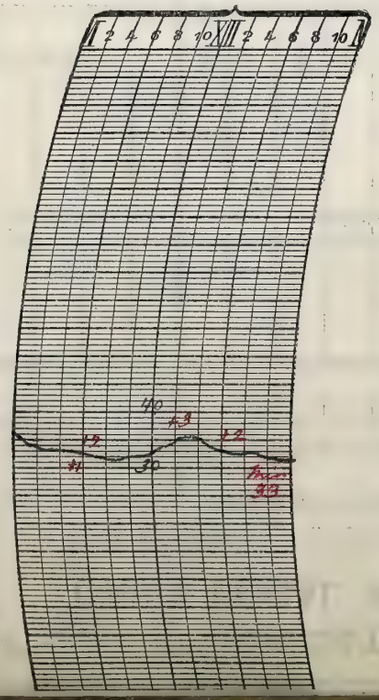
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Prepared by .....
Verified by .....

8—486

NOTES.

Dense fog which commenced on the night p.m. of the 4th continued until 9:00 a.m. this date changing and becoming light at that hour.

Continued thawing during the night has practically cleared the streets and sidewalks of snow and ice.

Light fog which set in at 9:00 a.m. ended at 4:30 p.m.

A cloudy day with mild temperatures and fog.

Up to a continuous period of about 48 hours of thawing into small scattered patches of snow remained in some places.

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) [illegible], (Date) [illegible], 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	33	33	33	32	32	31	32	32	32	33	35	36
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	← Cloudy →					← Clear →		← Pl. Cldy →		← Cloudy →		
Sunshine (in tenths of hours)							0	0	0.6	0.1	0.9	1.0
Wind direction	W	W	W	NW	W	W	W	W	W	W	NW	SW
Wind movement	4	5	7	6	8	7	4	5	5	5	2	10

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	39	40	41	40	38	36	36	35	35	35	35	35
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	← Pl. Cloudy →				← Cloudy →							
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.1	0	0						
Wind direction	SW	SW	SW	S	E	E	E	E	E	E	E	E
Wind movement	7	5	9	12	5	6	7	8	9	10	12	10

Sunrise: Time, 6:42 Character, Cloudy

Moonrise: 5:37 a

Sunset: Time, 5:04 Character, Cloudy

Moonset: 11:40 P

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
41	31	36	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10), 8

Actual sunshine, hours, 5.2 Possible sunshine, hours, 10.2

Per cent of possible sunshine, 55

Prevailing wind direction, W Total wind 155

Average hourly velocity, 6.4 Extreme velocity, 14

Maximum velocity, 13 Direction, E

Time began, 10:15 p.m.

Reduced barometer, 30.14 a. m. 30.16 p. m.

River gage, 7.7 Feet

Relative humidity, 85 a. m. 76 p. m.

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

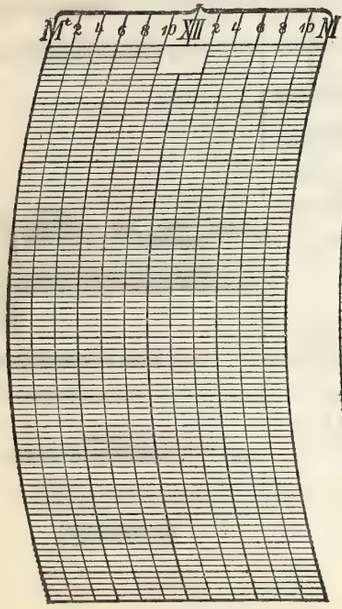
Dry temperature, 35.8 Wet temperature, 33.0

Dew-point, 29 R. humidity, 75 V. pressure, [illegible]

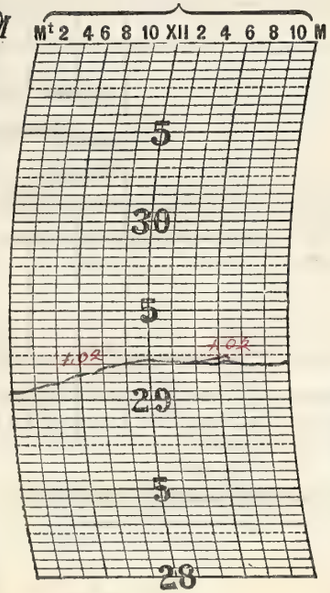
Clouds: Amount, 8; Kind, Strat.; Direction,

Velocity of clouds (miles per hour)

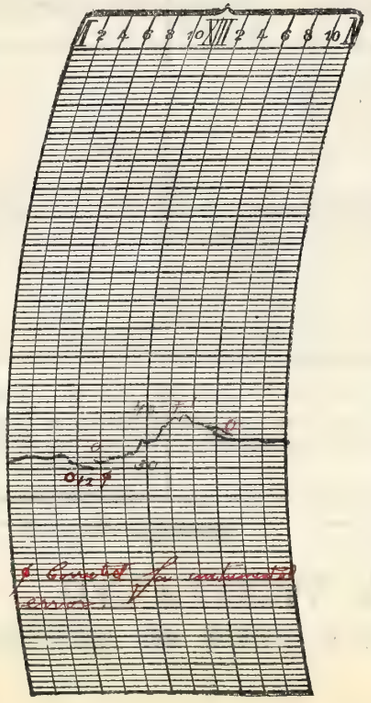
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A cloudy day with mild temperature which caused the complete melting of the snow cover. The paved roads were very muddy and slushy today on account of the mild weather bring a portion of the frost out of the ground.

Prepared by [illegible]

Verified by [illegible]

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Henry Weather, Iowa, (Day of week) Monday, (Date) Feb 7 1922, 192

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	33	33	33	33	32	33	34	34	35	35	35	35
State of weather: Nature of precipitation and time of beginning and ending		PA										NE 11:30
Amounts of precipitation		—	—	—	—	—	—	—	—	—	—	—
Cloudiness and other conditions						←		Cloudy				

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	35	34	32	32	32	33	33	33	33	33	32	32
Cloudiness and other conditions							Cloudy					→

Sunrise: Time, 6:45 Character, Cloudy
Moonrise: 6:12 a

Sunset: Time, 5:05 Character, Cloudy
Moonset: 5:08 p

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	E	E	E	E	E	E	E	E	E	NE	NE	NE
Wind movement	11	14	16	15	15	13	12	12	11	12	13	13

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)	0	0	0	0	0	0						
Wind direction	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
Wind movement	14	15	15	16	13	11	11	12	12	14	13	12

Maximum velocities (exceeding 2 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

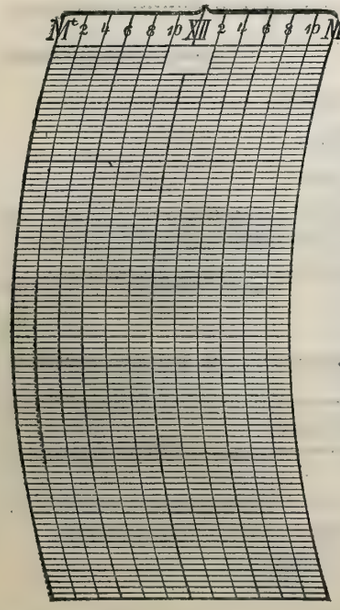
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
35	32	33.4	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 2 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .02 ins.; to 7 p. m., .46 ins.
Total precipitation, midnight to midnight, .48 inches.
Character of day, Cloudy Moon phase, New - 4:27 p.m.
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 10.3
Per cent of possible sunshine, 0
Prevailing wind direction, NE Total wind 2.46
Average hourly velocity, 13.1 Extreme velocity, 25
Maximum velocity, 19 Direction, NE
Time began, 2:36 p.m.
Reduced barometer, 30.03 7 a. m. 30.16 7 p. m.
River gage, 8 feet
Relative humidity, 94 7 a. m. 57 7 p. m.

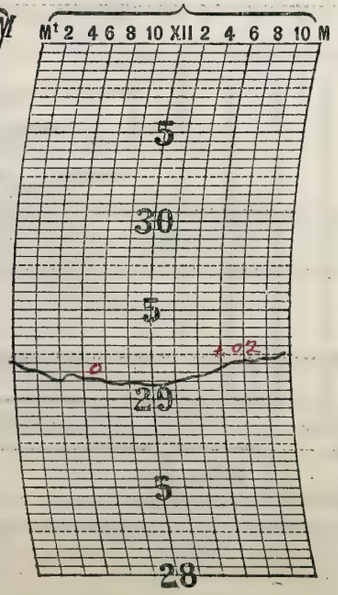
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 34.8 Wet temperature, 34.5
Dew-point, 33 R. humidity, 91 V. pressure, .187
Clouds: Amount, 10; Kind, St; Direction, E
Velocity of clouds (miles per hour)

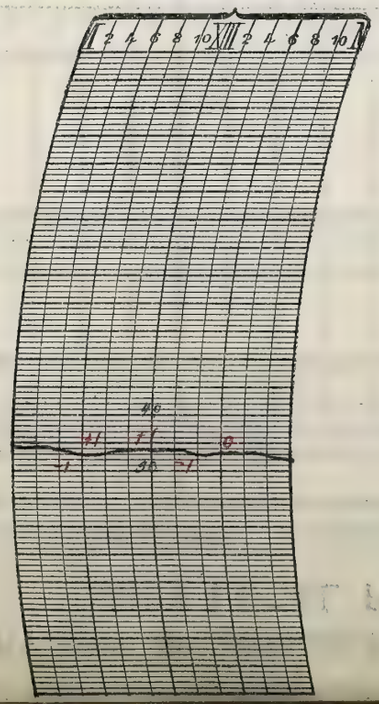
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A cloudy and gloomy day with mild temperature and rain during the morning hours.

Prepared by [illegible]

Verified by P. M. Amonett

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wright, Iowa, (Day of week) Sunday, (Date) Feb 3 1913, 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	20	29	29	29	29	28	29	30	30	30	30	31
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						←			Cloudy			
Sunrise: Time, Character, 6:44 Cloudy												
Moonrise: 6:43a												
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	NE	NE	NE	E	E	E	E	E	E	E	E	E
Wind movement	13	12	12	12	14	14	11	2	10	13	12	14

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	31	32	32	32	32	33	33	34	36	36	36	36
State of weather: Nature of precipitation and time of beginning and ending					RB 4:53	RE 5:30		RB 7:28				RE 11:50
Amounts of precipitation					—	—		—	—	—	—	—
Cloudiness and other conditions												→
Sunset: Time, Character, 5:07 Cloudy												
Moonset: 6:06p												
Sunshine (in tenths of hours)	0	0	0	0	0	0						
Wind direction	E	E	E	E	E	E	E	SE	SE	S	SW	SW
Wind movement	13	13	9	9	10	9	7	4	2	2	1	8

Maximum velocities (exceeding 5 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

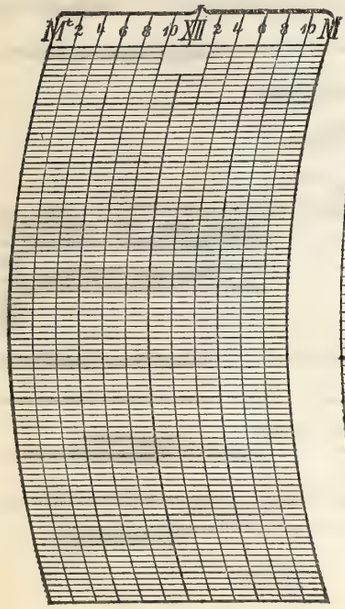
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
36	28	32	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 10.2
Per cent of possible sunshine, 0
Prevailing wind direction, E Total wind 250
Average hourly velocity, 10.4 Extreme velocity, 5
Maximum velocity, 19 Direction, E
Time began, 8:20 a.m.
Reduced barometer, 30.07 7 a. m. 29.90 7 p. m.
River gage, 13.0 Fast
Relative humidity, 98 7 a. m. 100 7 p. m.

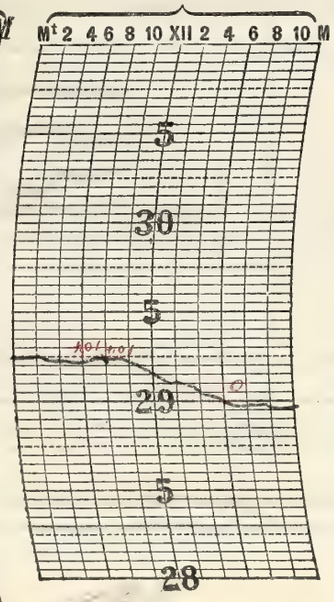
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 34.0 Wet temperature, 32.7
Dew-point, 28 R. humidity, 84 V. pressure, 150
Clouds: Amount, 10; Kind, St; Direction, E
Velocity of clouds (miles per hour)

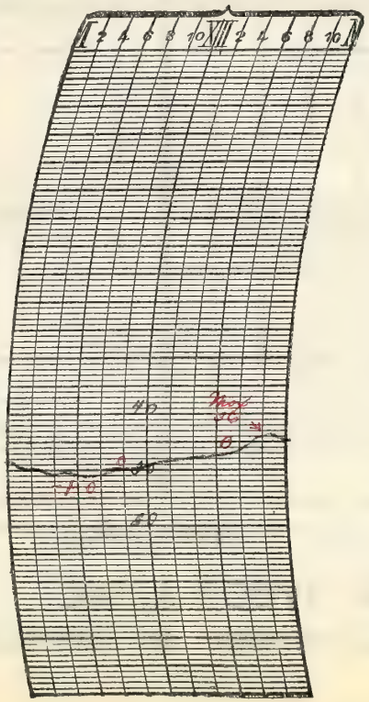
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A dark and cloudy day with light rain in the late afternoon and during the evening.

Dense fog set in at 6:30 p.m. and continued until 11:00 p.m.

Prepared by

Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) ....., *(Day of week)* ....., *(Date)* ....., 192

Time (local standard). 90 mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	38	37	37	36	36	36	36	36	36	35	35	34
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	← Cloudy →							← Cloudy				
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	W	W	W	NW	NW	NW	NW	W	W	W	W	W
Wind movement	13	11	11	11	11	13	11	9	10	9	10	10

Sunrise: Time, 6:43; Character, Cloudy. Moonrise: 2:13a.

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	34	34	34	34	34	34	35	35	36	35	34	34
State of weather: Nature of precipitation and time of beginning and ending	NB 12:25 NE 12:40											
Amounts of precipitation	—											
Cloudiness and other conditions	← Cloudy →											
Sunshine (in tenths of hours)	0	0	0	0	0	0						
Wind direction	W	W	W	W	W	W	W	W	W	E	E	E
Wind movement	9	8	9	8	7	5	4	3	2	4	3	5

Sunset: Time, 5:08; Character, Cloudy. Moonset: 9:31p.

Maximum velocities (exceeding 30 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

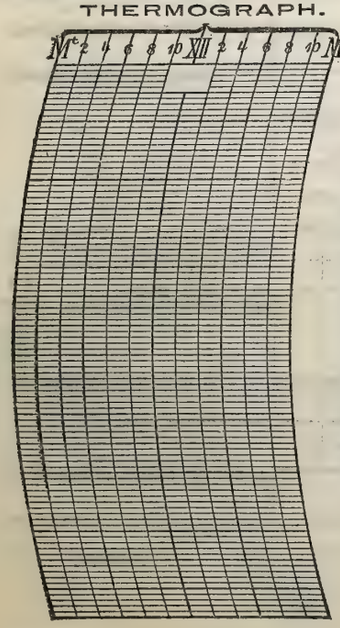
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
38	34	36	✓

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy. Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0. Possible sunshine, hours,
Per cent of possible sunshine, 0
Prevailing wind direction, W. Total wind
Average hourly velocity, 8.2. Extreme velocity, 19
Maximum velocity, 19. Direction, W
Time began, 12:25 a.m.
Reduced barometer, 29.95 7 a. m. , p. m.
River gage, 12.9 Foot.
Relative humidity, 84 7 a. m. 80 7 p. m.

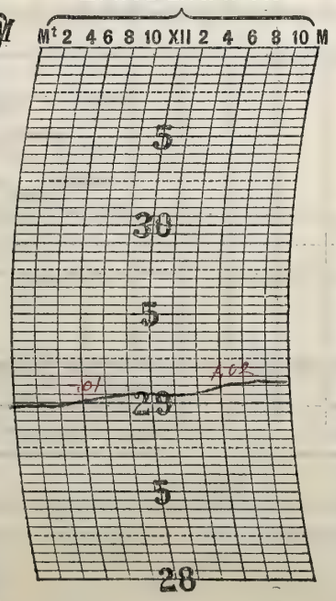
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 34.9 Wet temperature, 33.3
Dew-point, 31 R. humidity, 85 V. pressure, .172
Clouds: Amount, 10; Kind, Stratus; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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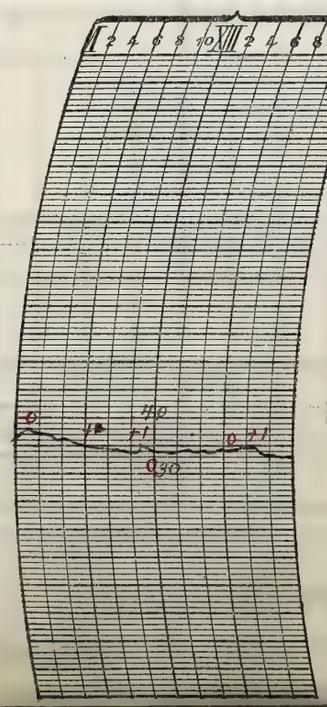


NOTES.

A cloudy and gloomy day with moderate temperature, a slight sprinkle of rain fell after noon for about fifteen minutes.

Prepared by T.C.B.
Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, *(Day of week)* _____, *(Date)* _____, 192

Time (local standard). 90 mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	34	34	33	32	33	32	30	32	32	32	32	32	33	33	32	32	33	33	31	31	31	31	30	30
State of weather: Nature of precipitation and time of beginning and ending																	3:40 4:15							
Amounts of precipitation																	—	—	—	—	—	—	—	•
Cloudiness and other conditions						←		Cloudy								Cloudy						→		
Sunrise: Time, 6:42 Character, Cloudy																					Sunset: Time, 5:00 Character, Cloudy			
Moonrise: 2:42 a																					Moonset: 8:02 P.			
Sunshine (in tenths of hours)							0	0	0	0	0	0	0	0	0	0	0	0						
Wind direction	E	E	E	SE	E	SE	E	NE	E	E	E	NE	NE	NE	NE	NE	NE	NE	NE	N	N	N	N	N
Wind movement	4	5	4	4	5	4	5	8	9	11	9	9	11	11	13	12	14	12	11	9	12	8	7	8
Maximum velocities (exceeding 25 miles) direction and time																								

	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
34	30	32	

Total depth of snow for 24 hours ending 7 p. m., T inches.

Snow, sleet, and hail on ground 7 p. m., T inches.

Total snowfall, midnight to midnight, T inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, .05 inches.

Character of day, Cloudy Moon phase, _____

Average daily cloudiness (0-10), 10

Actual sunshine, hours, 0 Possible sunshine, hours, 10.4

Per cent of possible sunshine, 0

Prevailing wind direction, NE Total wind 205

Average hourly velocity, 8.5 Extreme velocity, 22

Maximum velocity, 18 Direction, NE

Time began, 4:45 p.m.

Reduced barometer, 29.90 7 a. m. 29.72 7 p. m.

River gage, 11.2 feet

Relative humidity, 70 7 a. m. 80 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

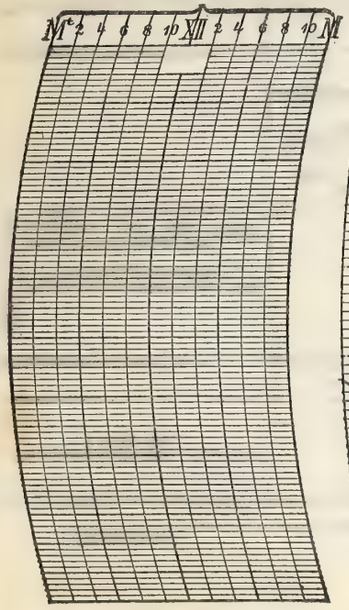
Dry temperature, 33.1 Wet temperature, 31.7

Dew-point, 30 R. humidity, 86 V. pressure, .164

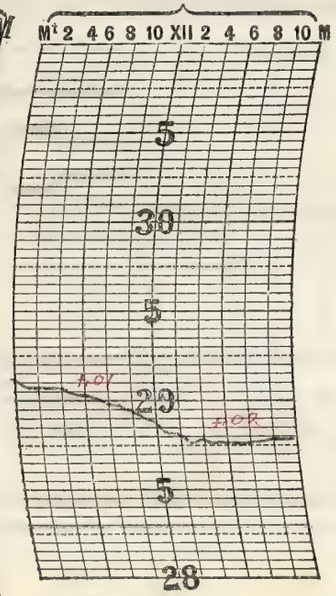
Clouds: Amount, 10; Kind, St; Direction, E.

Velocity of clouds (miles per hour) _____

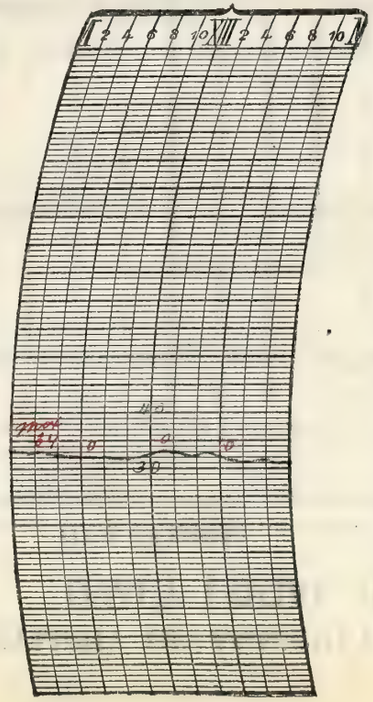
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A cloudy day with mild temperature. A slight moist snow commenced falling in the late afternoon and continued throughout the night.

Prepared by _____

Verified by _____

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) _____, (*Day of week*) _____, (*Date*) _____, 192

Time (local standard). 8 mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	30	29	29	29	30	31	31	31	32	32	32	33
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation	—	—	—	—	—	—	—	—	—	—	—	—
Cloudiness and other conditions						←			Cloudy			
Sunshine (in tenths of hours)							0	0	0	0.6	1.0	1.0
Wind direction	N	N	N	N	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	8	8	7	7	9	7	10	9	9	10	12	14
Maximum velocities (exceeding 10 miles) direction and time												

Sunrise: Time, 6:41 Character, Cloudy. Moonrise: 8:11a.

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	34	34	35	34	33	33	33	32	32	31	30	30
State of weather. Nature of precipitation and time of beginning and ending	S^m E 12:17											
Amounts of precipitation	—											
Cloudiness and other conditions			Cloudy					× Pt. Cloudy		× Clear		→
Sunshine (in tenths of hours)	1.0	0.1	0	0	0	0						
Wind direction	NW	NW	NW	W	W	W	W	W	W	NW	NW	NW
Wind movement	14	13	11	13	12	11	11	10	7	7	6	4
Maximum velocities (exceeding 10 miles) direction and time												

Sunset: Time, 5:10 Character, Cloudy. Moonset: 8:02P.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
35	29	31	

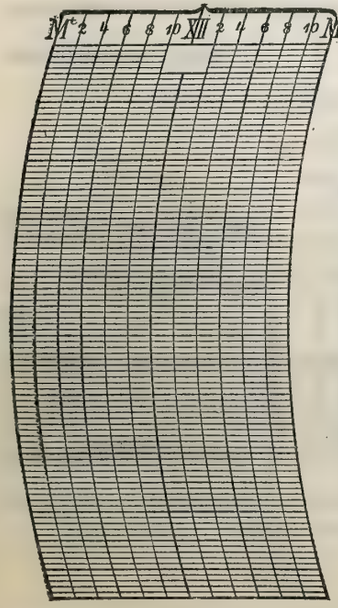
Total depth of snow for 24 hours ending 7 p. m., 1.5 inches.
Snow, sleet, and hail on ground 7 p. m., 0.2 inches.
Total snowfall, midnight to midnight, 0.2 inches.
Precipitation to 7 a. m., .12 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .07 inches.
Character of day, Cloudy Moon phase, _____
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 2.7 Possible sunshine, hours, 10.5
Per cent of possible sunshine, 35
Prevailing wind direction, NW Total wind 227
Average hourly velocity, 9.5 Extreme velocity, 17
Maximum velocity, 16 Direction, NW
Time began, 12:31 p. m.
Reduced barometer, 29.44 7 a. m. 29.[illegible] p. m.
River gage, 9.5 Fall
Relative humidity, 97 7 a. m. 79 7 p. m.

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

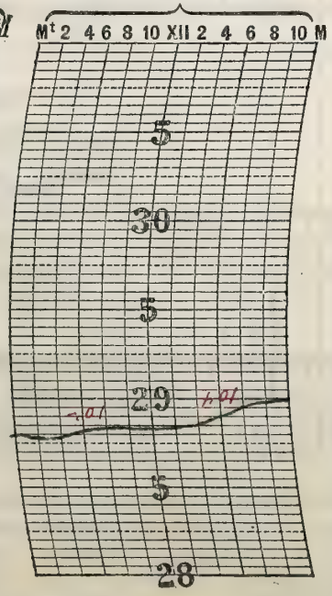
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 33.6 Wet temperature, 31.7
Dew-point, 29 R. humidity, 82 V. pressure, .157
Clouds: Amount, 9; Kind, St-Cu.; Direction, W.
Velocity of clouds (miles per hour) _____

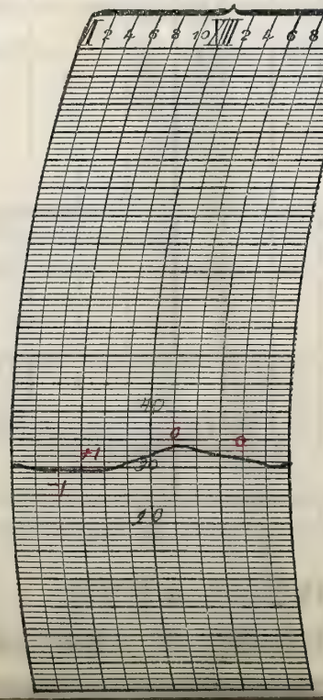
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Prepared by _____

Verified by D. McGillivray

8—486

NOTES.

*Estimated.

Depth of snow on ground at 7:00 a.m., 1.5 inches.

A cloudy day with light, moist snow during the entire morning hours which melted as it fell after the morning observation.

The mild temperature during the day caused the rapid disappearance of the snow and made the streets and sidewalks to be wet and slushy.

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) Saturday, (Date) FEB 12 1921, 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	30	30	29	29	30	31	32	33	33	34	35	36
State of weather. Nature of precipitation and time of beginning and ending								8:10 7:20 8:45 7:30				
Amounts of precipitation								—				
Cloudiness and other conditions						←		Cloudy				
Sunrise: Time, Character,	6:39 Cloudy											
Moonrise:	8:42 a											
Sunshine (in tenths of hours)							0	0	0	0.3	1.0	0.1
Wind direction	NW	NW	W	W	W	W	W	W	W	W	W	W
Wind movement	4	5	5	6	6	7	7	8	8	9	11	13
Maximum velocities (exceeding 32 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	37	37	38	38	37	35	35	34	34	34	33	33
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Cloudy					→
Sunset: Time, Character,									5:12 Cloudy			
Moonset:									10:03 p			
Sunshine (in tenths of hours)	0.3	0.6	0.2	0	0	0						
Wind direction	W	SW	SW	SW	SW	SW	W	W	SW	SW	SW	SW
Wind movement	14	12	14	12	13	9	10	12	13	10	10	8

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
38	29	34	

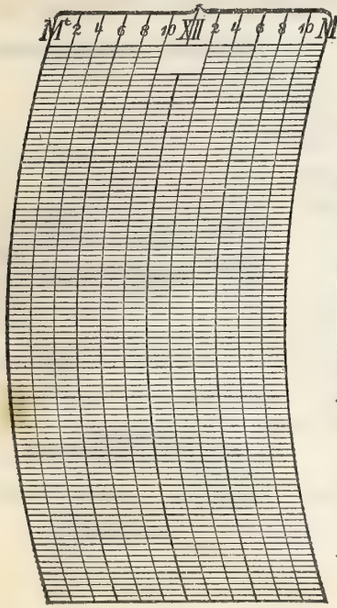
Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 2.5 Possible sunshine, hours, 10.6
Per cent of possible sunshine, 24
Prevailing wind direction, W Total wind 226
Average hourly velocity, 9.4 Extreme velocity, 14
Maximum velocity, 17 Direction, SW
Time began, 2:10 p.m.
Reduced barometer, 30.02 7 a. m. 30.09 7 p. m.
River gage, 8.4 Feet
Relative humidity, 82 7 a. m. 77 7 p. m.

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

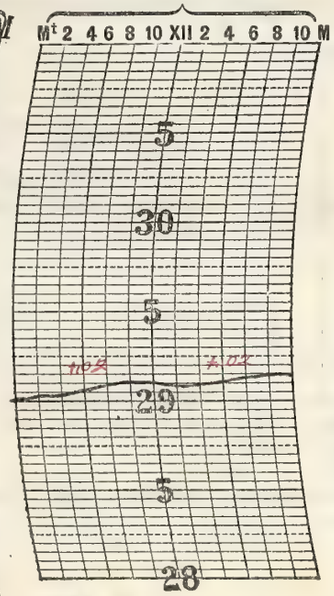
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 35.8 Wet temperature, 31.3
Dew-point, 25 R. humidity, 61 V. pressure, .120
Clouds: Amount, 10; Kind, St Cu.; Direction, W.
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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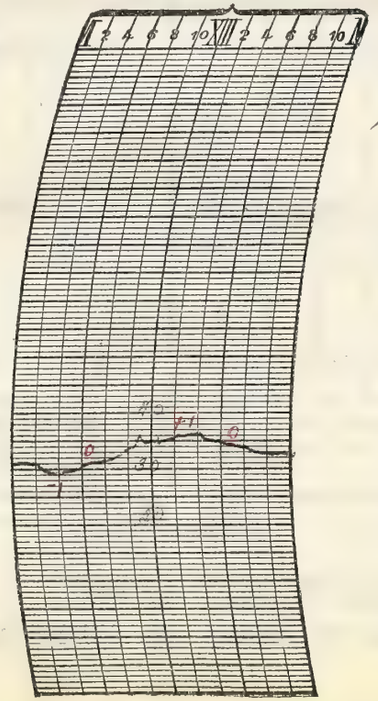


NOTES.

The thawing during the daylight hours yesterday and freezing during the night caused some unusual [illegible] to be [illegible] and icy this morning.

A cloudy day with varied temperatures which caused the remainder of the snow cover to disappear by nightfall.

Prepared by [illegible]

Verified by [illegible]

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, *(Day of week)* _____, *(Date)* _____, 192

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	32	31	31	30	29	29	30	30	32	36	39	43
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Pt. Cloudy						
Sunrise: Time, 6:38 Character, Cloudy												
Moonrise: 9:15a												
Sunshine (in tenths of hours)							0	0	0.5	1.0	1.0	1.0
Wind direction	SW	SW	SW	SE	SE	SE	E	SE	SE	SE	S	S
Wind movement	9	11	5	4	4	5	5	4	5	6	10	8
Maximum velocities (exceeding 30 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	44	47	49	50	49	48	45	45	44	44	43	43
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Pt. Cloudy				× Cloudy			× Pt. Cloudy				
Sunset: Time, 5:13 Character, Cloudy												
Moonset: 11:24p												
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	0.5	0						
Wind direction	SW	SW	S	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	9	10	8	10	9	8	10	10	11	10	8	8
Maximum velocities (exceeding 30 miles) direction and time												

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
50	29	40	

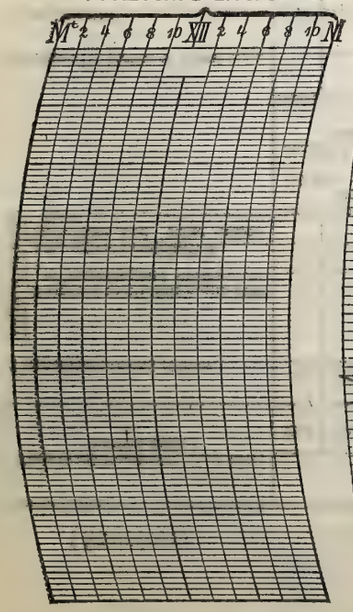
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase, _____
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 7.8 Possible sunshine, hours, 10.6
Per cent of possible sunshine, 74
Prevailing wind direction, SW Total wind 155
Average hourly velocity, 7.8 Extreme velocity, 40
Maximum velocity, 15 Direction, S
Time began, 8:26 P.M.
Reduced barometer, 30.09 7 a. m. 30.04 7 p. m.
River gage, 7.05 Fall
Relative humidity, 85 7 a. m. 73 7 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

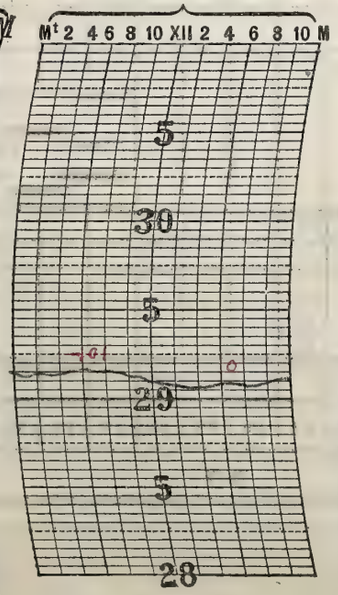
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 44.0 Wet temperature, 38.2
Dew-point, 30 R. humidity, 52 V. pressure, .164
Clouds: Amount, 5; Kind, Ast; Direction, N
Velocity of clouds (miles per hour) _____

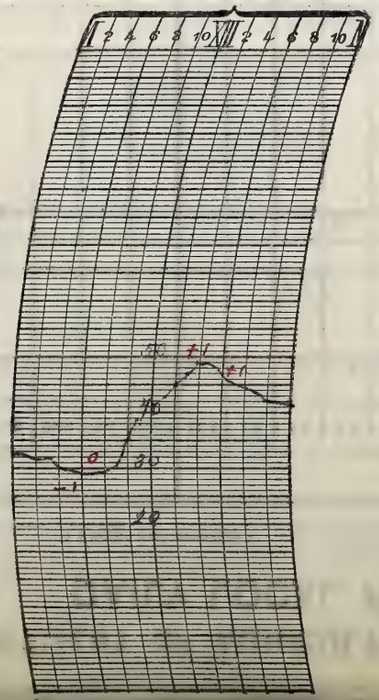
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A healthy cloudy day with mild temperatures and a considerable amount of bright warm sunshine making it very pleasant to be out of doors.

Prepared by J. M. Dorrough
Verified by _____

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne Ind, (Day of week) Monday, (Date) [illegible], 192

Time (local standard). 90° mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	42	41	41	41	40	39	38	38	39	40	41	43
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Pt. Cloudy					×
Sunshine (in tenths of hours)							.38 0	0.5 0.5	1.0	1.0	1.0	1.0
Wind direction	SW	SW	SW	SW	NW	NW	N	N	N	N	NE	NE
Wind movement	9	9	7	9	7	9	7	7	9	11	11	9

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	44	45	45	44	42	40	37	37	35	33	32	32
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Clear					
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	0.5 0.5	0 0						
Wind direction	NE	NE	N	NE	NE	E	E	E	E	E	E	E
Wind movement	7	9	8	9	8	6	8	8	8	8	7	8

Sunrise: Time, 6:37 Character, Clear

Moonrise: 9:02a

Sunset: Time, 5:14 Character, Cloudy

Moonset: —

Maximum velocities (exceeding 29 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.

Excessive precipitation, accumulated amounts

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
45	32	38	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt. Cloudy Moon phase,

Average daily cloudiness (0–10), 4

Actual sunshine, hours, 10.4 Possible sunshine, hours, 10.6

Per cent of possible sunshine, 98

Prevailing wind direction, E Total wind 1256

Average hourly velocity, 8.2 Extreme velocity,

Maximum velocity, 13 Direction, NE

Time began, 10:44 a.m.

Reduced barometer, 30.13 7 a. m. 30.20, p. m.

River gage, 7.8 Feet

Relative humidity, 83 7 a. m. 68 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

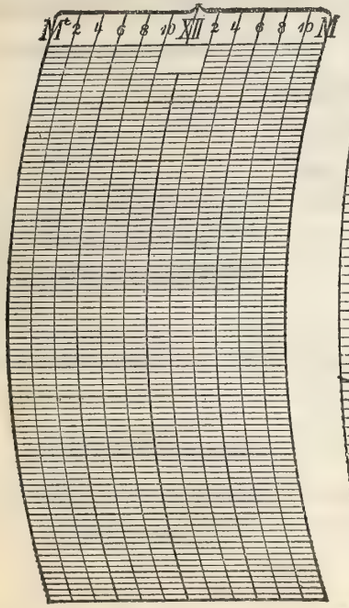
Dry temperature, 43.0 Wet temperature, 36.0

Dew-point, 26 R. humidity, 49 V. pressure, .136

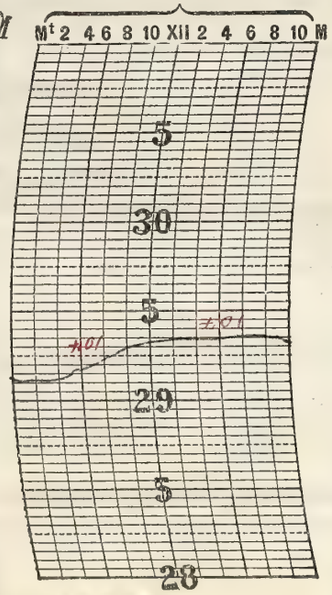
Clouds: Amount, 2; Kind, Ast.; Direction, NW

Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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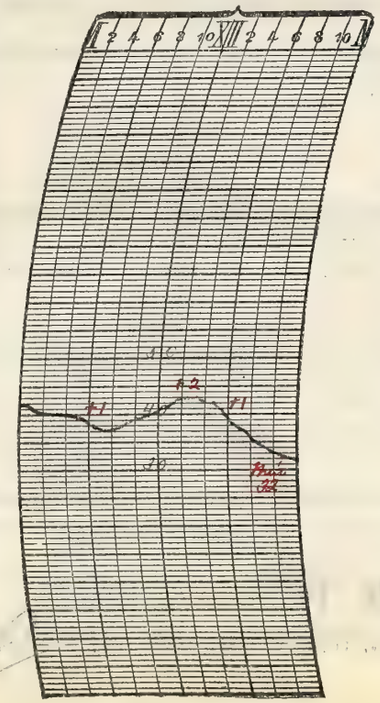


NOTES.

A pleasantly cloudy day with mild temperatures and an abundance of light, pleasant sunshine.

Prepared by

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) Thursday, (Date) [illegible], 192

Time (local standard). [illegible] mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	31	30	29	29	30	32	33	36	40	44	50	58
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						←		Clear				Clear
Sunshine (in tenths of hours)							.42 0	0.9 0.1	1.0	1.0	1.0	1.0
Wind direction	E	E	E	SE	SE	SE	SE	SE	S	S	S	S
Wind movement	7	7	5	5	4	4	5	7	9	14	15	13

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	64	66	65	64	62	60	59	57	57	56	56	56
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Clear		×	Pt. Cloudy		×	Clear					
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	0.3 0.4	0						
Wind direction	SW	SW	SW	SW	S	S	S	S	S	S	SW	SW
Wind movement	15	21	20	19	13	13	13	15	15	16	17	17

Sunrise: Time, 6:35 Character, Clear

Moonrise: 10:24a

Sunset: Time, 5:15 Character, Cloudy

Moonset: 12:09a

Maximum velocities (exceeding 28 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
66	29	48	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase, Full [illegible]

Average daily cloudiness (0-10), 2

Actual sunshine, hours, 10.1 Possible sunshine, hours, 10.7

Per cent of possible sunshine, 94

Prevailing wind direction, S Total wind 280

Average hourly velocity, 12.0 Extreme velocity, [illegible]

Maximum velocity, 26 Direction, SW

Time began, 1:00 p.m.

Reduced barometer, 29.70 7 a. m. 29.91 7 p. m.

River gage, 8.4 Feet

Relative humidity, 78 7 a. m. 68 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

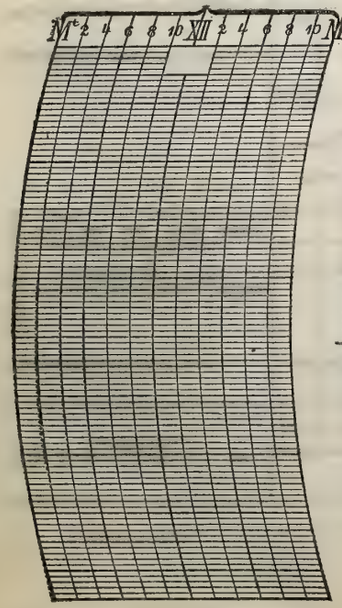
Dry temperature, 58.1 Wet temperature, 49.6

Dew-point, 42 R. humidity, 54 V. pressure, .266

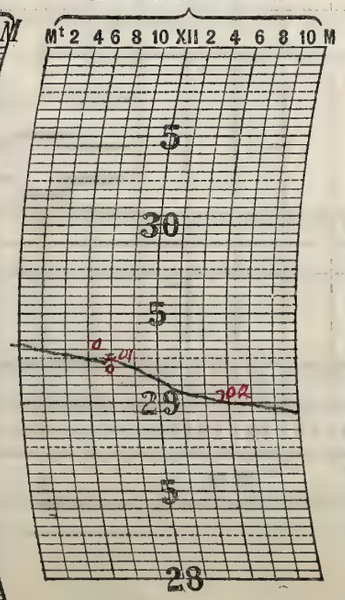
Clouds: Amount, 7; Kind, Ci St; Direction, NW

Velocity of clouds (miles per hour)

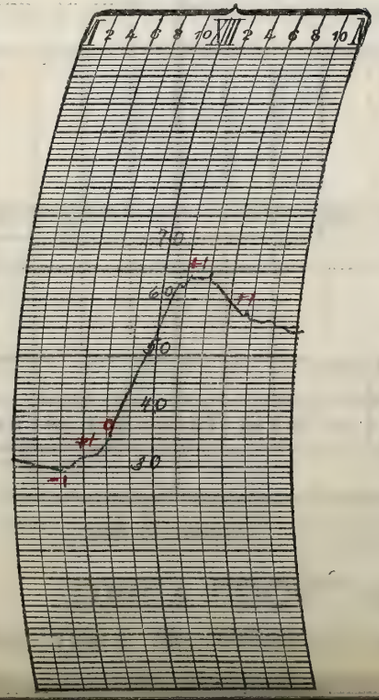
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A clear warm and spring-like day. The maximum temperature of 66 degrees is the highest recorded at this station.

Prepared by [illegible]

Verified by P. M. Lynch

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) _____, (Date) _____, 192

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	55	56	55	55	54	53	56	57	58	59	59	61
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						←			Cloudy			
Sunshine (in tenths of hours)							0	0	0	0	0	0.2
Wind direction	SW	SW	SW	SW	SW	SW	S	SW	SW	SW	SW	SW
Wind movement	19	20	22	21	19	17	18	22	24	27	25	27
Maximum velocities (exceeding 22 miles) direction and time												31 SW 11:33

Sunrise: Time, 6:34 Character, Cloudy
Moonrise: 11:23a

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	59	56	55	52	49	45	44	41	40	40	40	40
State of weather: Nature of precipitation and time of beginning and ending	RB 12:17 RE 12:30											
Amounts of precipitation	—											
Cloudiness and other conditions		×	Pt. Cloudy	×		Clear						→
Sunshine (in tenths of hours)	0.6	1.0	1.0	1.0	1.0	0						
Wind direction	SW	W	W	W	W	W	W	SW	SW	SW	SW	W
Wind movement	28	28	27	27	22	16	16	17	17	19	23	25
Maximum velocities (exceeding 22 miles) direction and time	33 SW 12:22	34 W 1:02	31 W 2:52	31 W 3:27								34 W 11:33

Sunset: Time, 5:16 Character, Clear
Moonset: 11:12a

	Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
	61	40	50	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt. Cloudy Moon phase, _____
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 5.1 Possible sunshine, hours, 10.7
Per cent of possible sunshine, 48
Prevailing wind direction, SW Total wind 524
Average hourly velocity, 21.9 Extreme velocity, 38
Maximum velocity, 34 Direction, W
Time began, 1:02 p.m.
Reduced barometer, 29.73 7 a. m. 29.93 7, p. m.
River gage, 7.6 Feet
Relative humidity, 72 7 a. m. 57 7 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.

Excessive precipitation, accumulated amounts

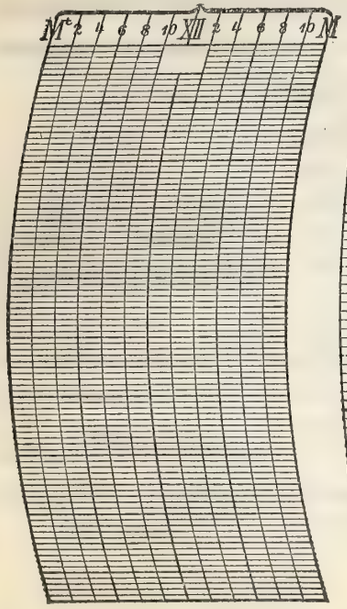
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

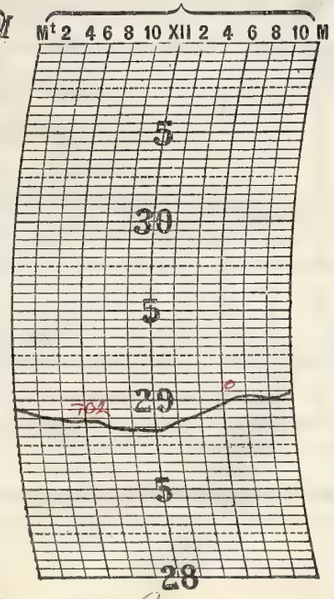
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 60.9 Wet temperature, 54.4
Dew-point, 50 R. humidity, 66 V. pressure, 29.60
Clouds: Amount, 9; Kind, Strat.; Direction, SW
Velocity of clouds (miles per hour)

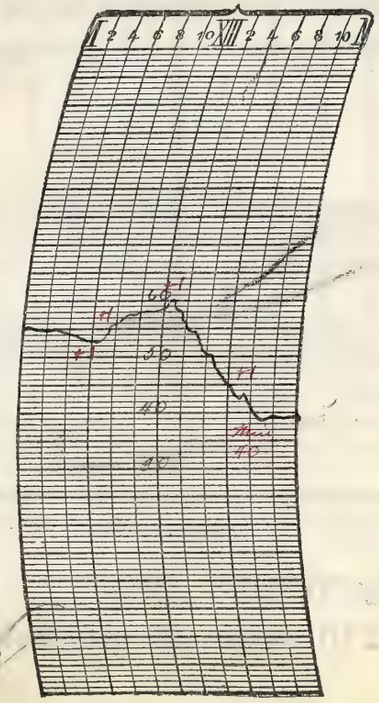
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A partly cloudy day with mild temperatures which fell rapidly toward evening and brisk wind of southwest winds.

Prepared by _____
Verified by _____

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) [illegible], 192

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	34	32	31	27	25	24	21	20	20	20	20	19
State of weather: Nature of precipitation and time of beginning and ending		S B+F DN4							S9 3:40			
Amounts of precipitation		—	—						—	—	—	—
Cloudiness and other conditions						× Clear			× Pl. Cldy		× Cloudy	
Sunrise: Time, Character,	6:33 Cloudy											
Moonrise:	12:00											
Sunshine (in tenths of hours)							0	0.4 (0.5)	0.8	0.6	0.9	0.9
Wind direction	W	W	W	W	W	W	W	W	W	W	W	W
Wind movement	22	27	30	23	24	22	21	22	20	22	23	23
Maximum velocities (exceeding 29 miles) direction and time	33 W 12:55	32 W 1:13	35 W 2:22									

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	19	20	20	19	18	17	17	17	16	16	16	16
State of weather: Nature of precipitation and time of beginning and ending				S9E 3:40								
Amounts of precipitation		—	—	—								
Cloudiness and other conditions		×	Pl. Cloudy				× Clear					× Pl. Cldy
Sunset: Time, Character,									5:18 Cloudy			
Moonset:									2:30			
Sunshine (in tenths of hours)	1.0	1.0	0.9	0.5	0	0						
Wind direction	W	W	W	NW	NW	NW	NW	W	W	W	W	W
Wind movement	24	25	25	20	18	18	13	11	10	11	10	9

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
40	16	28	

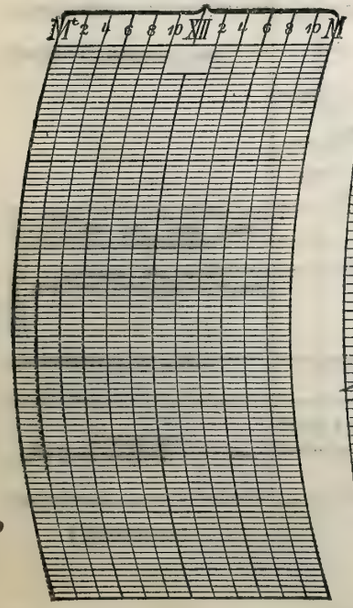
Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pl. Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 2.5 Possible sunshine, hours, 4.
Per cent of possible sunshine, 6.9
Prevailing wind direction, W Total wind 484
Average hourly velocity, 12.6 Extreme velocity, 20
Maximum velocity, 35 Direction, W
Time began, 2:22 a.m.
Reduced barometer, 30.16 7 a. m. 30.17 7 p. m.
River gage, 9.2 Fall
Relative humidity, 44 7 a. m. 70 7 p. m.

	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

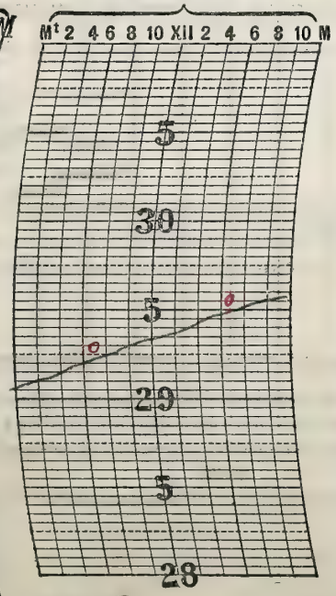
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 21.0 Wet temperature, 19.0
Dew-point, 14 R. humidity, 61 V. pressure, .072
Clouds: Amount, 9; Kind, St Cu; Direction,
Velocity of clouds (miles per hour)

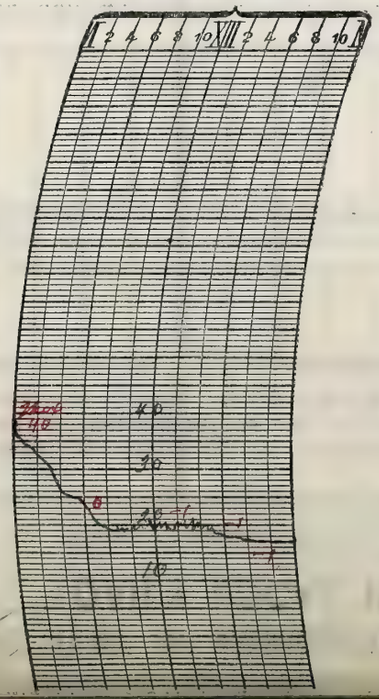
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A heavily cloudy and cold day the frigidity of which was accentuated by brisk westerly winds.

Prepared by [illegible]

Verified by [illegible]

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, *(Day of week)* _____, *(Date)* _____, 192

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	17	18	18	18	18	19	19	20	22	24	27	29
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						←		Clear				
Sunshine (in tenths of hours)							.48 / 0	0.6 / 0.4	0.7	1.0	1.0	1.0
Wind direction	W	W	W	W	W	W	W	W	W	W	W	SW
Wind movement	8	8	7	9	7	6	5	6	6	4	5	5

Sunrise: Time, 6:31 Character, Clear

Moonrise: 1:22 P.

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	30	31	32	32	30	30	30	30	28	28	27	26
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions			Clear							→ Partly Cloudy →		
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	0.2	0						
Wind direction	SW	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	W
Wind movement	9	7	8	10	10	6	5	5	5	6	5	4

Sunset: Time, 5:19 Character, Cloudy

Moonset: 3:11 A

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
33	16	24	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase, _____

Average daily cloudiness (0-10), 2

Actual sunshine, hours, 9.4 Possible sunshine, hours, 10.8

Per cent of possible sunshine, 87

Prevailing wind direction, W Total wind, 156

Average hourly velocity, 6.5 Extreme velocity, 12

Maximum velocity, 12 Direction, SW

Time began, 1:28 P.M.

Reduced barometer, 30.60 7 a. m. 30.55 7 p. m.

River gage, 6.6 Feet

Relative humidity, 84 7 a. m. 89 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

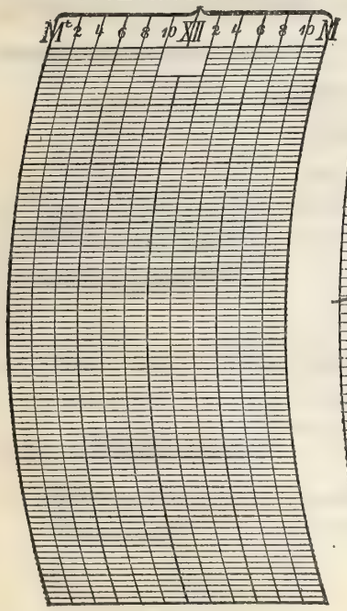
Dry temperature, 28.8 Wet temperature, 25.8

Dew-point, 20 R. humidity, 67 V. pressure, .103

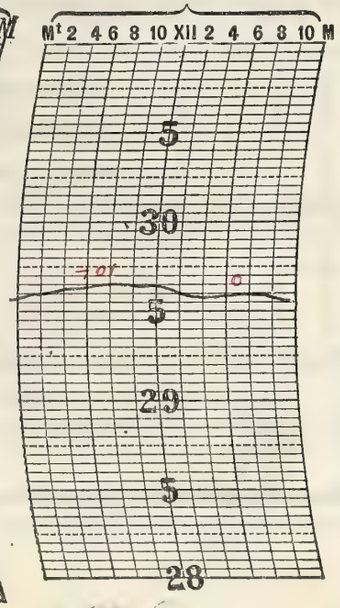
Clouds: Amount, 1; Kind, Cirr.; Direction, NW

Velocity of clouds (miles per hour)

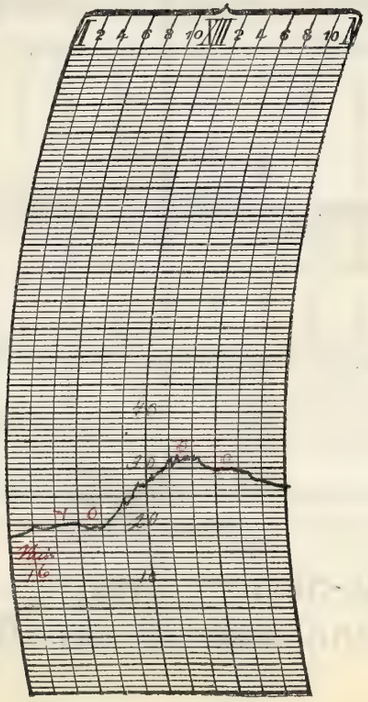
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A clear and very pleasant day with moderate temperatures. A lunar halo of 22° radius was observed from 6:30 p.m. until 10:30 p.m.

Prepared by _____

Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) Saturday, (Date) [illegible], 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	26	26	26	26	25	27	28	28	30	31	32	33
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Pt Cloudy			× Cloudy			
Sunrise: Time, 6:30a Character, Cloudy												
Moonrise: 2:38p.												
Sunshine (in tenths of hours)							0	0	0	0.4	1.0	1.0
Wind direction	W	W	W	W	W	W	W	W	W	NW	NE	E
Wind movement	3	3	4	4	4	3	2	2	3	4	6	8
Maximum velocities (exceeding 40 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	34	33	33	33	32	31	30	29	27	27	25	24
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions				Cloudy							→ Pt Cldy →	
Sunset: Time, 5:30 Character, Cloudy												
Moonset: 11:01a.												
Sunshine (in tenths of hours)	1.0	0.6	0	0	0	0						
Wind direction	E	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
Wind movement	8	10	10	13	15	15	15	16	15	15	16	16
Maximum velocities (exceeding 40 miles) direction and time												

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
34	24	29	

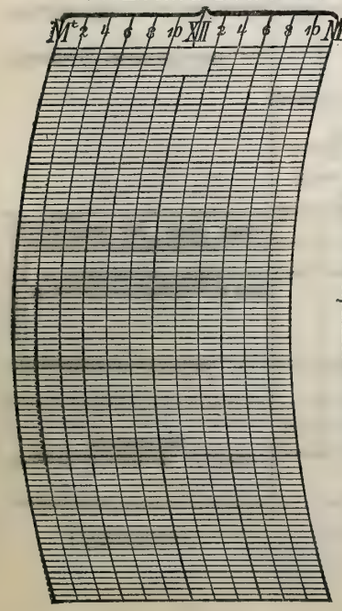
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 4.0 Possible sunshine, hours, 10.8
Per cent of possible sunshine, 37
Prevailing wind direction, NE Total wind 410
Average hourly velocity, 8.8 Extreme velocity, 12
Maximum velocity, 12 Direction, NE
Time began, 11:50 p.m.
Reduced barometer, 30.40 7 a. m. 30.42 7 p. m.
River gage, 5.8 Falls
Relative humidity, 76 7 a. m. 84 7 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

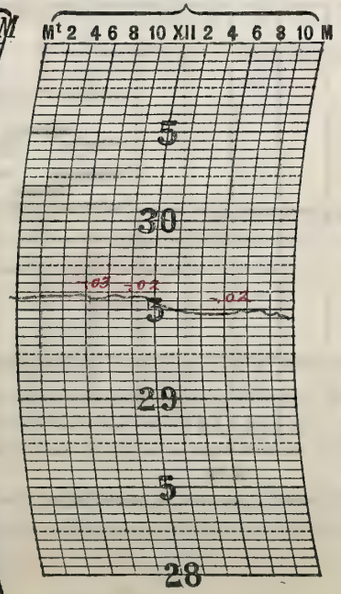
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 33.2 Wet temperature, 28.6
Dew-point, 20 R. humidity, 58 V. pressure, 103
Clouds: Amount, 9; Kind, AST; Direction, W
Velocity of clouds (miles per hour)

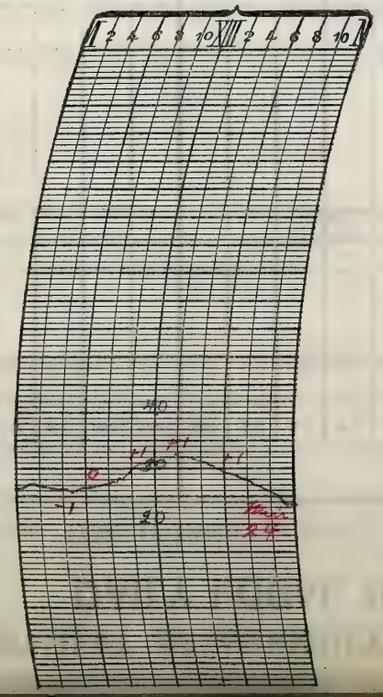
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Special 12 Noon (75th Meridian Time) observation called for by the Central Office.

A faint solar halo of 22° radius was observed at 11:00 a.m. The phenomena disappeared about 12:45 p.m.

A cloudy day with moderate temperatures.

Prepared by [illegible]
Verified by [illegible]

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) Feb 27 19, 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	21	21	20	18	17	16	18	18	19	22	23	25
Nature of precipitation and time of beginning and ending								S 8 7:02	S E 8:10			
Amounts of precipitation								—	—			
Cloudiness and other conditions	Pt Cloudy				Clear			Cloudy		Pt Cldy		
Sunrise: Time, Character,	6:29 Cloudy											
Moonrise:	3:43 P.											
Sunshine (in tenths of hours)							0	0	0	0.6	1.0	1.0
Wind direction	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
Wind movement	15	15	18	13	14	13	13	15	15	14	14	12

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	28	30	31	31	31	29	28	26	25	24	23	22
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Clear					Clear			→			
Sunset: Time, Character,									5:21 Cloudy			
Moonset:									4:52 a			
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	0.8	0						
Wind direction	NE	NE	NE	NE	NE	NE	E	E	E	E	E	E
Wind movement	12	11	12	10	10	8	6	7	7	7	5	5

Maximum velocities (exceeding 22 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

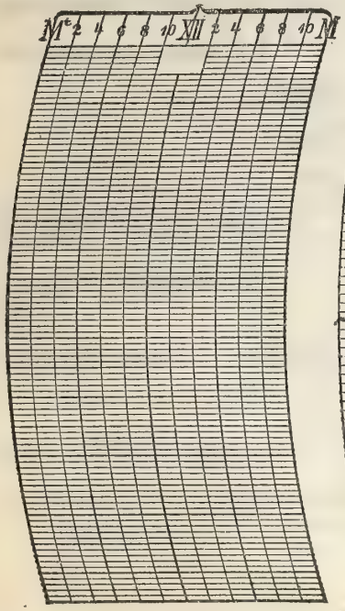
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
31	16	24	

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 7.4 Possible sunshine, hours, 10.9
Per cent of possible sunshine, 68
Prevailing wind direction, NE Total wind 271
Average hourly velocity, 11.3 Extreme velocity, 41
Maximum velocity, 22 Direction, NE
Time began, 2:43 p.m.
Reduced barometer, 30.38 7 a. m. 30.35 7 p. m.
River gage, 4.9 Feet
Relative humidity, 84 7 a. m. 55 7 p. m.

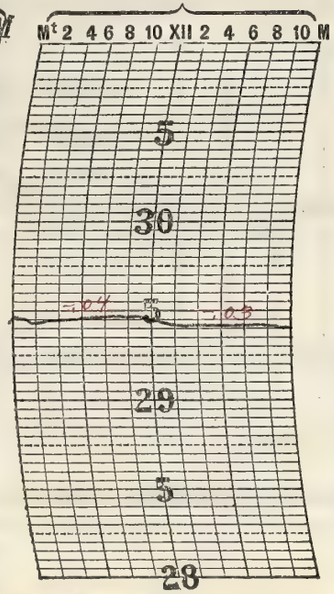
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 26.0 Wet temperature, 23.0
Dew-point, 16 R. humidity, 64 V. pressure, 0.25
Clouds: Amount, Few; Kind, Ast; Direction, NW
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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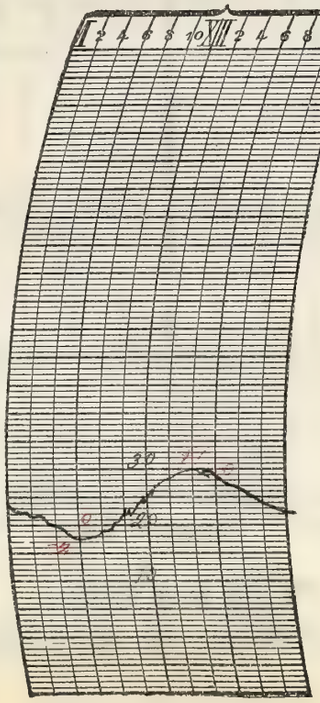


NOTES.

A cloudy and rather cold day though there was an abundance of sunshine. However, the moderate easterly winds which prevailed during the day counteracted the warmth of the sun.

Prepared by J. Gass
Verified by J. H. Monough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) ....., (*Day of week*) ....., (*Date*) ....., 192

Time (local standard). 90° mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	22	21	21	20	20	20	19	19	21	25	28	30	33	34	36	35	36	34	33	31	29	28	27	27
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						←	Pt. Cloudy			Cloudy						Cloudy								→
Sunrise: Time, 6:27 Character, Cloudy																					Sunset: Time, 5:22 Character, Cloudy			
Moonrise: 4:56 p.																					Moonset: 5:35 a			
Sunshine (in tenths of hours)							0	0	0.2	1.0	1.0	1.0	1.0	1.0	1.0	0.6	0	0						
Wind direction	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
Wind movement	5	5	6	7	7	6	5	7	7	6	6	8	9	8	8	7	6	6	3	6	7	8	4	2
Maximum velocities (exceeding 29 miles) direction and time																								

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
36	18	27	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Cloudy Moon phase, ...

Average daily cloudiness (0-10), 8

Actual sunshine, hours, 4.8 Possible sunshine, hours, 10.2

Per cent of possible sunshine, 6.2

Prevailing wind direction, E Total wind 144

Average hourly velocity, 6.2 Extreme velocity, 11

Maximum velocity, 11 Direction, E

Time began, 12:21 p. m.

Reduced barometer, 30.26 7 a. m. 30.11 7, p. m.

River gage, 4.4 Feet

Relative humidity, 85 7 a. m. 67 7 p. m.

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

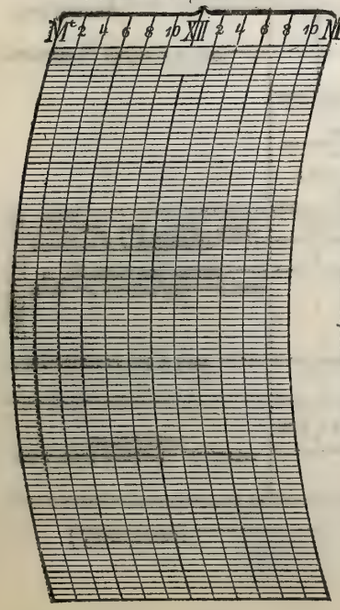
Dry temperature, 31.5 Wet temperature, 28.0

Dew-point, 22 R. humidity, 64 V. pressure, .113

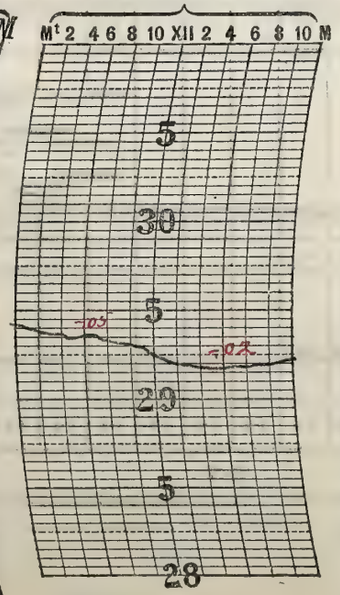
Clouds: Amount, 9; Kind, Cirr.; Direction, NNW

Velocity of clouds (miles per hour) .....

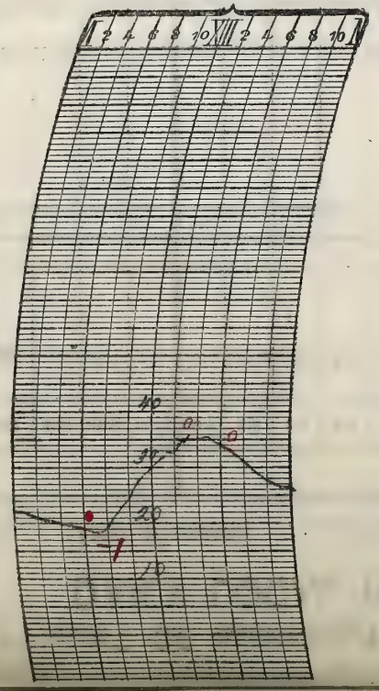
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A faint solar halo of 22 degrees radius was observed from 11:00 a.m. until about 1:20 p.m.

A cloudy day with moderate temperatures and light easterly winds.

Prepared by E. C. S.

Verified by J. M. Ronough

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) Tuesday, (Date) FEB 2 1904, 192

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	28	29	28	27	26	26	26	28	31	34	37	40
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Clear						
Sunshine (in tenths of hours)							0	0	0.9	1.0	1.0	1.0
Wind direction	E	SE	SW	SW	SW	SW	SW	SW	SW	SW	S	S
Wind movement	2	2	7	8	8	10	10	9	10	11	13	16
Maximum velocities (exceeding 22 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	39	39	39	39	39	38	38	38	36	37	38	35
State of weather. Nature of precipitation and time of beginning and ending								A+5P 7:30				Rs5E 11:50 S 39 11:50
Amounts of precipitation								—	—	—	—	—
Cloudiness and other conditions						xcly → Cloudy						
Sunshine (in tenths of hours)	1.0	1.0	0	0	0	0						
Wind direction	S	S	S	S	S	SE	SE	S	SW	SW	SW	W
Wind movement	17	19	13	13	11	11	12	18	19	19	21	22
Maximum velocities (exceeding 22 miles) direction and time												

Sunrise: Time, 6:26 Character, Cloudy
Moonrise: 6:09p

Sunset: Time, 5:24 Character, Cloudy
Moonset: 6:14a

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
41	26	34	

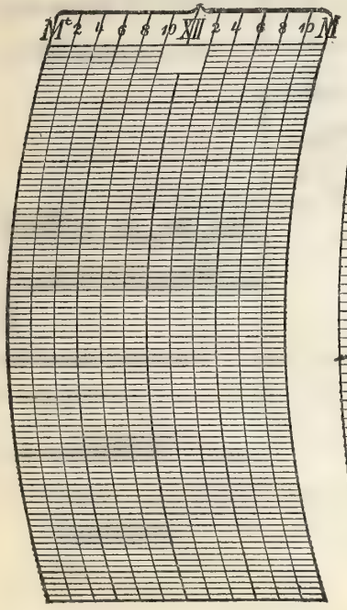
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, .04 inches.
Character of day, Pt. Cloudy Moon phase, Full 3:32 a.m.
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 5.9 Possible sunshine, hours, 11.0
Per cent of possible sunshine, 54
Prevailing wind direction, SW Total wind 201
Average hourly velocity, 12.5 Extreme velocity, 31
Maximum velocity, 22 Direction, W
Time began, 11:19 p.m.
Reduced barometer, 30.21 a. m. 29.94, p. m.
River gage, 4.0 Fast.
Relative humidity, 88 a. m. 67 p. m.

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

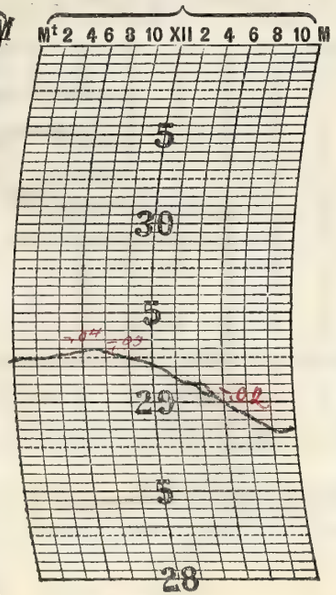
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 40.0 Wet temperature, 36.0
Dew-point, 31 R. humidity, 68 V. pressure, .172
Clouds: Amount, Few; Kind, Cu; Direction, SW
Velocity of clouds (miles per hour)

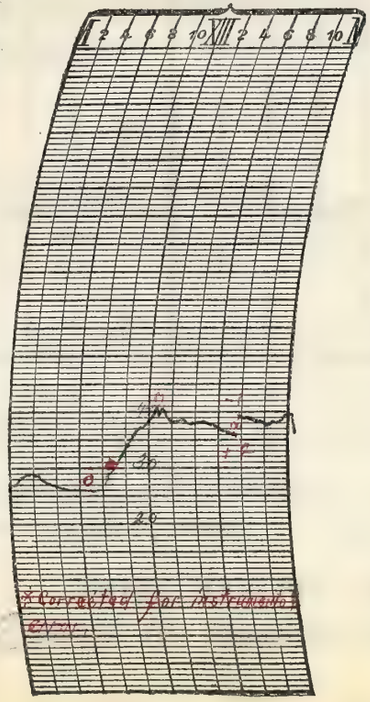
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



*Corrected for instrument error.

NOTES.

A partly cloudy day with mild temperatures and an abundance of sunshine during the morning and early part of the afternoon.

Prepared by _____

Verified by _____

8—436

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) Feb 2, 1921, 192

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	33	32	30	28	27	26	25	24	23	23	23	23
State of weather: Nature of precipitation and time of beginning and ending										S m E 9:35		
Amounts of precipitation	—	—	—	—	—	—	—	—	—	—		
Cloudiness and other conditions						←			Cloudy			
Sunrise: Time, 6:24 Character, Cloudy												
Moonrise: 7:21 p												
Sunshine (in tenths of hours)							0	0	0.1	0.2	0.6	0
Wind direction	W	W	W	W	W	W	W	W	W	W	W	W
Wind movement	20	23	23	26	22	19	18	17	20	19	20	18

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	23	24	25	24	24	23	23	22	22	22	22	21
State of weather: Nature of precipitation and time of beginning and ending	S m B 12:10											
Amounts of precipitation	—	—	—	—	—	—	—	—	—	—	—	—
Cloudiness and other conditions			Cloudy							→		
Sunset: Time, 5:25 Character, Cloudy												
Moonset: 6:51 a												
Sunshine (in tenths of hours)	0	0	0	0	0	0						
Wind direction	W	W	W	W	W	W	W	W	W	W	W	W
Wind movement	18	19	19	16	17	17	14	14	13	10	12	10

Maximum velocities (exceeding 27 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

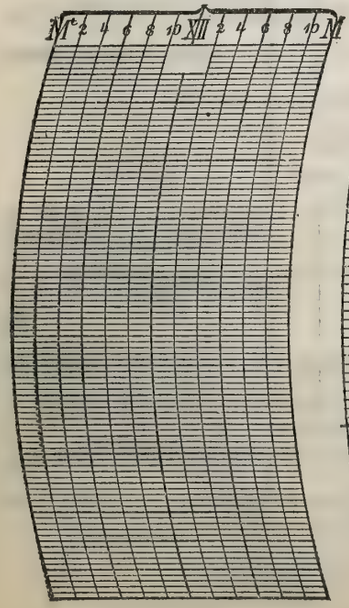
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
35	21	28	

Total depth of snow for 24 hours ending 7 p. m., 0.3 inches.
Snow, sleet, and hail on ground 7 p. m., 0.2 inches.
Total snowfall, midnight to midnight, 0.3 inches.
Precipitation to 7 a. m., 0.6 ins.; to 7 p. m., 0.1 ins.
Total precipitation, midnight to midnight, [illegible] inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0.2 Possible sunshine, hours, 10.0
Per cent of possible sunshine, 8
Prevailing wind direction, W Total wind 420
Average hourly velocity, 17.5 Extreme velocity, [illegible]
Maximum velocity, 29 Direction, W
Time began, 1:55 p.m.
Reduced barometer, 29.95 7 a. m. 30.10 7 p. m.
River gage, 3.8 Feet
Relative humidity, 94 7 a. m. 81 7 p. m.

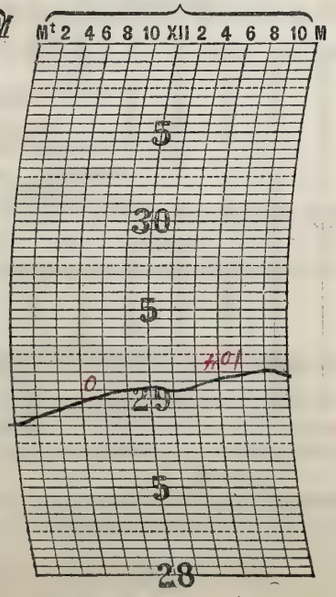
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 24.5 Wet temperature, 22.0
Dew-point, 16 R. humidity, 68 V. pressure, .085
Clouds: Amount, 10; Kind, St Cu; Direction, W
Velocity of clouds (miles per hour)

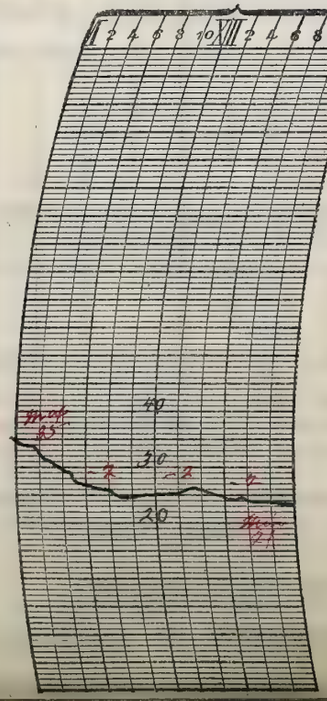
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Prepared by F. M. Donough

Verified by

8—486

NOTES.

A cloudy and cold day with light moist snow falling through the greater portion thereof and moderate westerly winds.

Sidewalks were icy and slippery in patches this morning as a result of the rain freezing which fell last night.

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) ....., *(Day of week)* ....., *(Date)* ....., 192

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	21	20	20	20	20	20	21	21	22	25	26	27
State of weather. Nature of precipitation and time of beginning and ending												SNE 11:10
Amounts of precipitation	—	—	—	—	—	—	—	—	—	—	—	—
Cloudiness and other conditions						← Cloudy						
Sunrise: Time, 6:23 Character, Cloudy												
Moonrise: 8:30P												
Sunshine (in tenths of hours)							0	0	0	0	0.8	0.7
Wind direction	W	W	W	W	W	W	W	W	W	W	NW	NW
Wind movement	6	5	8	6	6	6	6	5	5	5	5	5

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	29	29	30	30	30	29	28	28	28	26	27	26
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						Cloudy →						
Sunset: Time, 5:26 Character, Cloudy												
Moonset: 2:36A												
Sunshine (in tenths of hours)	0.8	0.9	0	0	0	0						
Wind direction	NW	N	NW	N	N	N	N	N	N	NW	NW	W
Wind movement	5	4	5	5	5	5	5	5	3	4	2	4

Maximum velocities (exceeding 25 miles) direction and time.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
30	20	25	

Total depth of snow for 24 hours ending 7 p. m., T inches.

Snow, sleet, and hail on ground 7 p. m., 0.2 inches.

Total snowfall, midnight to midnight, T inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Cloudy Moon phase, ...

Average daily cloudiness (0-10), 10

Actual sunshine, hours, 3.2 Possible sunshine, hours, 11.0

Per cent of possible sunshine, 29

Prevailing wind direction, W Total wind .....

Average hourly velocity, 5.0 Extreme velocity, 8

Maximum velocity, 8 Direction, NW

Time began, 2:27am

Reduced barometer, 30.04 7 a. m. 30.01 7 p. m.

River gage, 3.6 feet

Relative humidity, 71 7 a. m. 77 7 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts .....

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

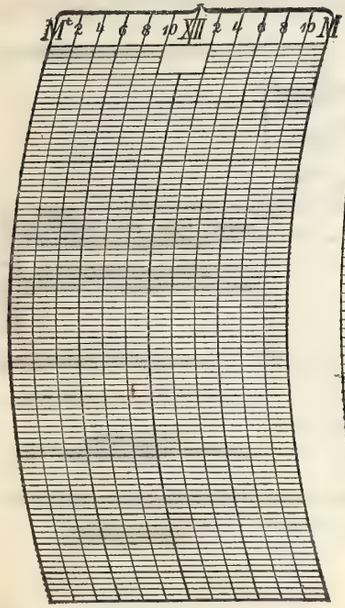
Dry temperature, 27.6 Wet temperature, 24.0

Dew-point, 16 R. humidity, 59 V. pressure, 085

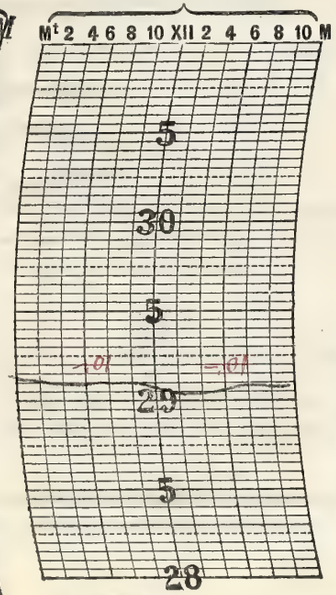
Clouds: Amount, 2; Kind, Sto.; Direction, W

Velocity of clouds (miles per hour) .....

THERMOGRAPH.



BAROGRAPH.



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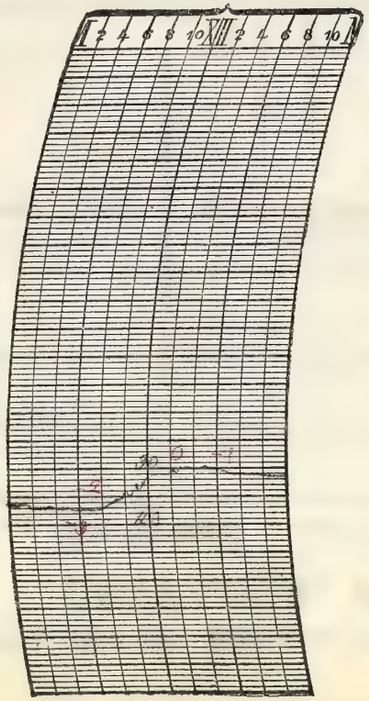


NOTES.

A cloudy and somewhat cold day with a deficiency of sunshine and light westerly winds

Prepared by .....

Verified by .....

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) ....., (*Day of week*) ....., (*Date*) ....., 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	26	26	26	26	27	27	28	29	29	29	30	31
State of weather. Nature of precipitation and time of beginning and ending					S9B DNA						S9E 10:50	
Amounts of precipitation					—	—	—	—	—	—	—	
Cloudiness and other conditions						←		Cloudy				
Sunrise: Time, Character,	6:21 Cloudy											
Moonrise:	2:46 P.											
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	SW	SW	W	W	W	W	W	W	W	NW	NW	NW
Wind movement	7	8	9	9	10	11	11	10	11	9	10	6

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	32	33	34	35	34	32	31	31	31	32	32	32
State of weather. Nature of precipitation and time of beginning and ending	S4B 12:03	S9E 1:30										
Amounts of precipitation	—	—										
Cloudiness and other conditions				Cloudy								→
Sunset: Time, Character,									5:27 Cloudy			
Moonset:									8:01 a			
Sunshine (in tenths of hours)	0	0.1	0.6	0	0	0						
Wind direction	NW	W	W	SW	SW	SW	SW	S	S	S	S	S
Wind movement	8	9	10	8	11	15	11	11	13	15	15	16

Maximum velocities (exceeding 22 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
35	26	30	

Total depth of snow for 24 hours ending 7 p. m., T inches.

Snow, sleet, and hail on ground 7 p. m., T inches.

Total snowfall, midnight to midnight, T inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Cloudy Moon phase, ...

Average daily cloudiness (0-10), 10

Actual sunshine, hours, 0.7 Possible sunshine, hours, ...

Per cent of possible sunshine, 6

Prevailing wind direction, W Total wind .....

Average hourly velocity, 10.5 Extreme velocity, 19

Maximum velocity, 18 Direction, S

Time began, 9:40 P. M.

Reduced barometer, 30.01 7 a. m. 30.03 7, p. m.

River gage, 3.4 Feet

Relative humidity, 88 7 a. m. 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

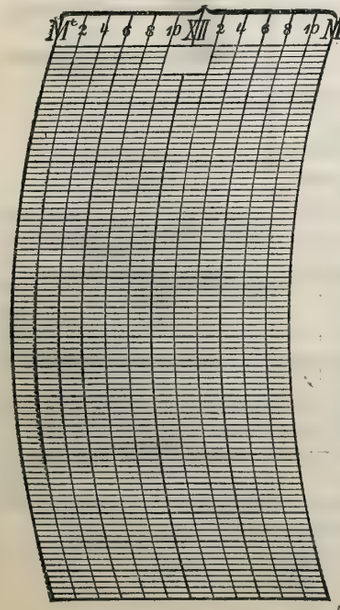
Dry temperature, 30.2 Wet temperature, 28.2

Dew-point, 24 R. humidity, 24 V. pressure, 124

Clouds: Amount, 10; Kind, St Cu; Direction, NW.

Velocity of clouds (miles per hour) .....

THERMOGRAPH.



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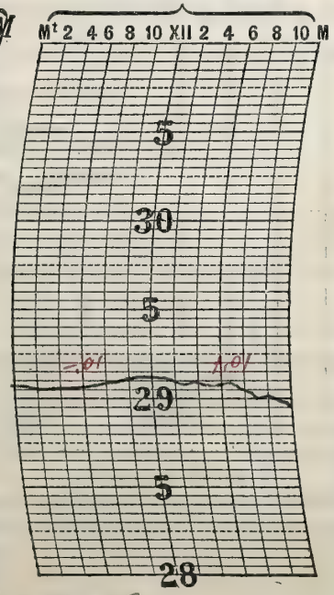

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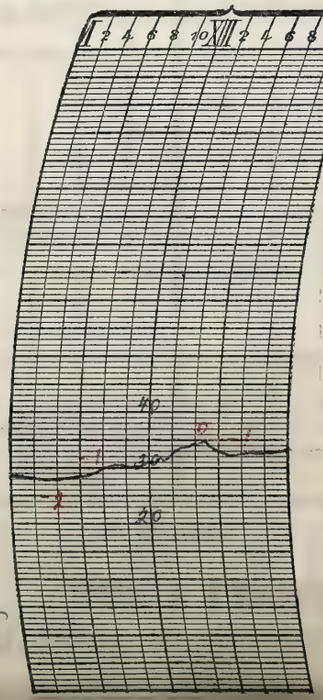


NOTES.

A cloudy day with moderate temperatures.

Prepared by .....

Verified by P. M. Donovan

8—486

Form No. 2014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) _____, (Date) _____, 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	33	32	32	34	36	36	37	38	39	44	44	41
State of weather. Nature of precipitation and time of beginning and ending			SNOW									RB 11:40
Amounts of precipitation		—	—	—	—							—
Cloudiness and other conditions						←		Cloudy				
Sunrise: Time, Character,	6:20 Cloudy											
Moonrise:	10:39 p											
Sunshine (in tenths of hours)							0	0.2	0	0	0	0
Wind direction	S	S	S	S	S	S	S	SW	SW	SW	SW	SW
Wind movement	15	13	17	17	15	17	16	18	18	15	13	18
Maximum velocities (exceeding 22 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	40	39	39	39	37	36	36	36	32	30	29	28
State of weather. Nature of precipitation and time of beginning and ending									RE 8:20			
Amounts of precipitation	—	—	—	—	—	—	—	—	—			
Cloudiness and other conditions						←		Cloudy				
Sunset: Time, Character,									5:28 Cloudy			
Moonset:									8:34 a			
Sunshine (in tenths of hours)	0	0	0	0	0	0						
Wind direction	SW	SW	SW	SW	SW	W	W	W	NE	NE	NE	NE
Wind movement	14	14	11	11	11	10	5	3	15	15	14	14
Maximum velocities (exceeding 22 miles) direction and time												

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
44	28	36	

Total depth of snow for 24 hours ending 7 p. m., 0.4 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0.4 inches.

Precipitation to 7 a. m., .05 ins.; to 7 p. m., .10 ins.

Total precipitation, midnight to midnight, .15 inches.

Character of day, Cloudy Moon phase, _____

Average daily cloudiness (0-10), 6

Actual sunshine, hours, 0.2 Possible sunshine, hours, 11.1

Per cent of possible sunshine, 2

Prevailing wind direction, SW Total wind 300

Average hourly velocity, 13.7 Extreme velocity, 22

Maximum velocity, 30 Direction, S

Time began, 7:45 a.m.

Reduced barometer, 29.71 7 a. m. _____ 7 p. m.

River gage, 3.4 Feet

Relative humidity, 72 7 a. m. 91 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

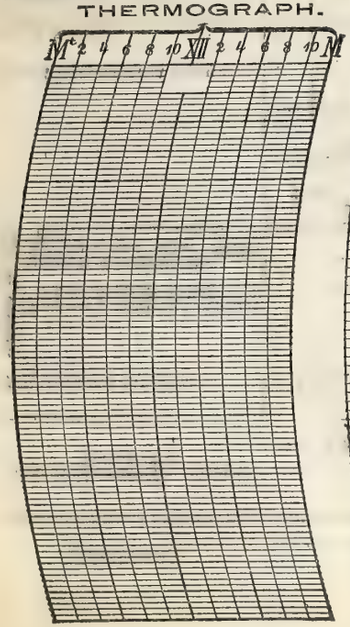
Dry temperature, 41.6 Wet temperature, 38.8

Dew-point, 35 R. humidity, 78 V. pressure, 223

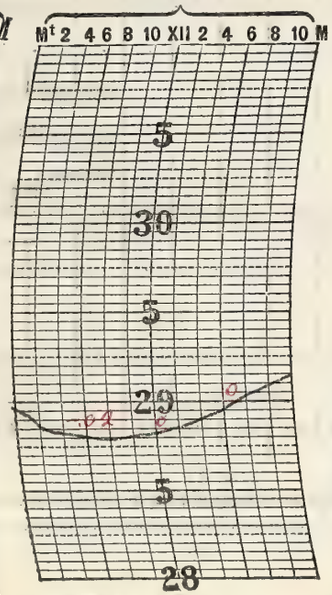
Clouds: Amount, 10; Kind, Stcu; Direction, SW

Velocity of clouds (miles per hour) _____

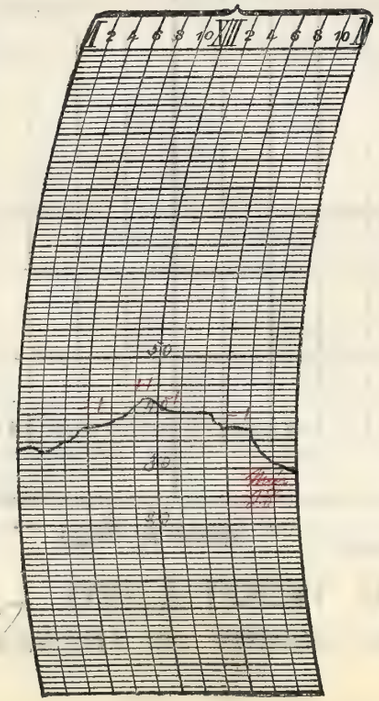
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Special 2:00 p.m. (75th Meridian Time) observation called for by Central Office. A cloudy, cold, and generally miserable day with light rain during the afternoon and early evening.

Prepared by _____

Verified by O. McLong

8—186

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Cedar Rapids, Iowa, *(Day of week)* [redacted], *(Date)* _____, 192

Time (local standard). 90 mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	28	27	27	27	26	26	26	26	26	27	28	29
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						←	Cloudy					
Sunrise: Time, Character,	6:19 Cloudy											
Moonrise:	11:50											
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	NE	NE	NE	NE	N	N	N	NE	NE	NE	NE	N
Wind movement	13	16	13	11	9	8	8	8	6	6	5	7
Excessive precipitation, accumulated amounts												

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	30	30	31	31	32	32	32	31	29	29	29	29
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions			Cloudy						→			
Sunset: Time, Character,									5:29 Cloudy			
Moonset:									9:40			
Sunshine (in tenths of hours)	0.6	0	0	0	0	0						
Wind direction	NE	N	NE	NE	NE	W	S	S	S	SW	SW	SW
Wind movement	4	4	3	2	3	2	6	6	9	11	10	11
Excessive precipitation, accumulated amounts												

Maximum velocities (exceeding 27 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

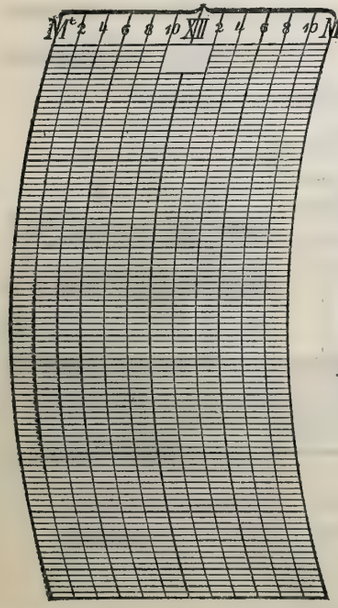
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
33	26	30	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase, _____
Average daily cloudiness (0–10), 10
Actual sunshine, hours, 0.6 Possible sunshine, hours, 11.2
Per cent of possible sunshine, 5
Prevailing wind direction, NE Total wind 170
Average hourly velocity, 7.4 Extreme velocity, 0
Maximum velocity, 19 Direction, NE
Time began, 1:01 a.m.
Reduced barometer, 30.24 7 a. m. 30.20 7 p. m.
River gage, 3.35 rise
Relative humidity, 72 7 a. m. 72 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 29.0 Wet temperature, 27.0
Dew-point, 24 R. humidity, 78 V. pressure, .124
Clouds: Amount, 10; Kind, St; Direction, N
Velocity of clouds (miles per hour)

THERMOGRAPH.



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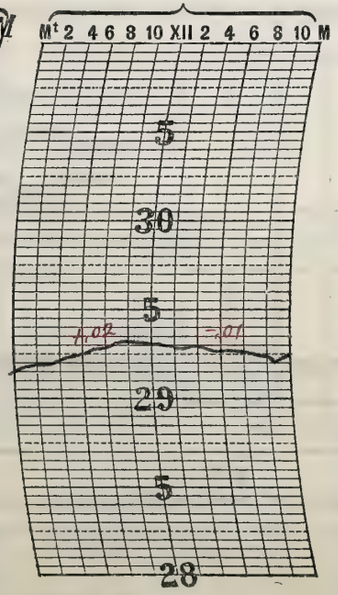

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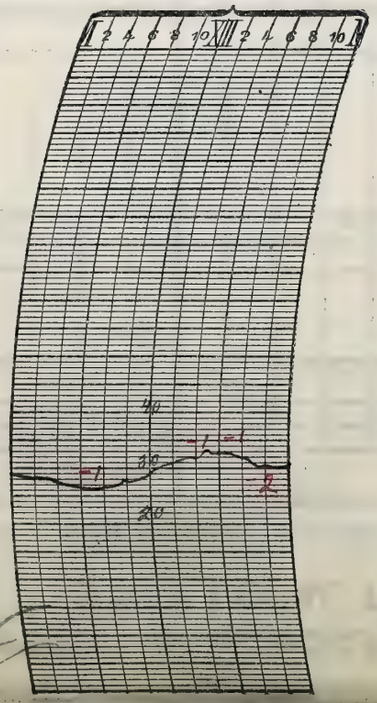


NOTES.

A cloudy and somewhat stormy day with moderate temperature.

Prepared by _____

Verified by P. M. Donough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) ....., *(Day of week)* ....., *(Date)* ....., 192

Time (local standard). 90 mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	31	31	32	32	33	33	33	34	35	36	37	40	41	43	46	46	45	42	40	39	38	38	37	36
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						←			Cloudy							Cloudy						→		
Sunshine (in tenths of hours)							0	0	0	0	0.6	1.0	1.0	1.0	1.0	1.0	0	0						
Wind direction	SW	S	S	S	SW	SW	SWV	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	NW	NW	NW	W	W	W	W
Wind movement	8	7	7	8	8	9	9	11	14	14	14	14	13	14	13	11	8	7	10	6	7	6	6	5
Maximum velocities (exceeding 25 miles) direction and time																								

Sunrise: Time, 6:17 Character, Cloudy
Moonrise: —

Sunset: Time, 5:31 Character, Cloudy
Moonset: 2:55a

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

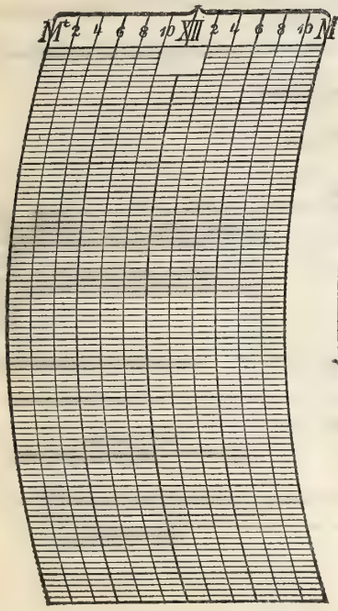
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
47	29	38.6	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase, ...
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 5.6 Possible sunshine, hours, 11.2
Per cent of possible sunshine, 50
Prevailing wind direction, SW Total wind 223
Average hourly velocity, 9.5 Extreme velocity, 19
Maximum velocity, 18 Direction, SW
Time began, 8:33 a.m.
Reduced barometer, 30.05 7 a. m. 29.99 7 p. m.
River gage, 5.31 Feet
Relative humidity, 78 7 a. m. 86 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 40.1 Wet temperature, 36.0
Dew-point, 31 R. humidity, 67 V. pressure, .172
Clouds: Amount, 9; Kind, Stratus; Direction, SW
Velocity of clouds (miles per hour)

THERMOGRAPH.



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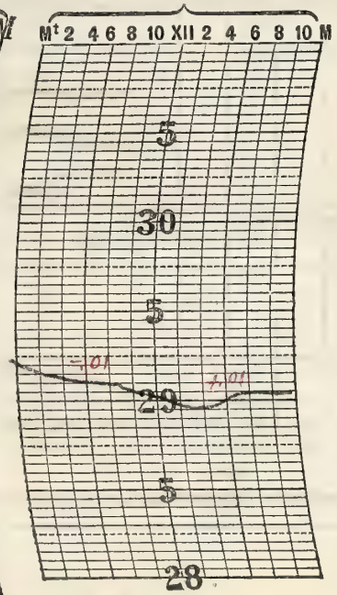

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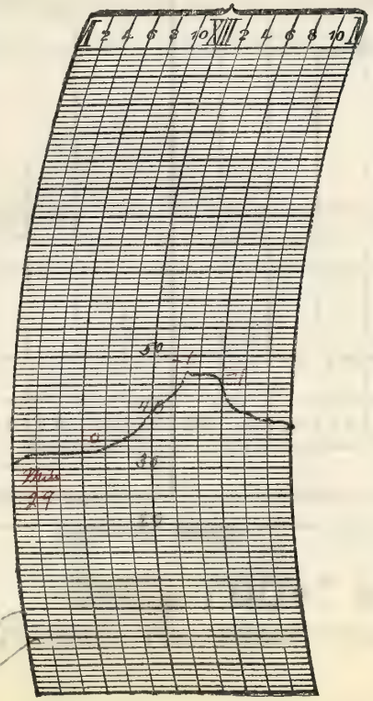


NOTES.

A cloudy day with musical temperature.

Prepared by .....

Verified by C. McAdoo

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) _____, (*Day of week*) _____, (*Date*) _____, 192

Time (local standard). 90 mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	35	35	34	33	33	34	5[illegible]	36	37	42	45	47
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Clear		× Cldy	×	Cloudy		
Sunrise: Time, Character,	6:15 Cloudy											
Moonrise:	10:36a											
Sunshine (in tenths of hours)							0	0	0	0.7	1.0	1.0
Wind direction	W	W	SW	SW	SW	SW	SW	SW	SW	SW	S	S
Wind movement	5	5	6	6	5	4	2	1	2	3	5	6
Maximum velocities (exceeding 12 miles) direction and time												

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	49	51	52	52	51	51	51	51	50	50	50 RB 10:45	50
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	× Pt. Cldy		×			Cloudy						→
Sunset: Time, Character,									5:32 Cloudy			
Moonset:									10:39p			
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.1	0	0						
Wind direction	S	S	S	S	SE	SE	SE	S	S	S	S	SW
Wind movement	7	7	9	9	6	6	8	10	15	15	15	8
Maximum velocities (exceeding 12 miles) direction and time												

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
53	33	42.5	

Total depth of snow for 24 hours ending 2 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 2 a. m., 0 ins.; to 2 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Cloudy Moon phase, L.Q. 2:03a.m.

Average daily cloudiness (0-10), 8

Actual sunshine, hours, 5.8 Possible sunshine, hours, 11.3

Per cent of possible sunshine, 51

Prevailing wind direction, S Total wind 1165

Average hourly velocity, 6.9 Extreme velocity, 12

Maximum velocity, 18 Direction, S

Time began, 10:02 p.m.

Reduced barometer, 30.02 2 a. m. 29.84 2, p. m.

River gage, 3.8 fall

Relative humidity, 84 2 a. m. 60 2 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

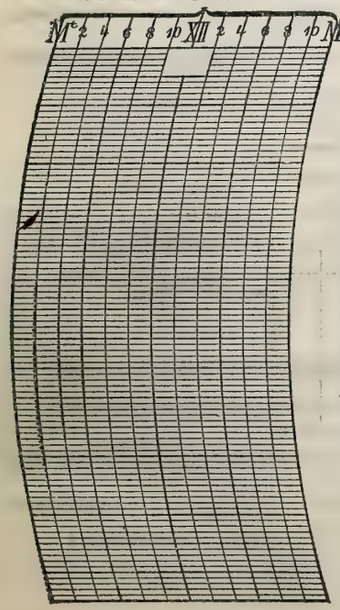
Dry temperature, 48.0 Wet temperature, 40.6

Dew-point, 31 R. humidity, 62 V. pressure, 172

Clouds: Amount, 8; Kind, Cirst.; Direction, NW

Velocity of clouds (miles per hour)

THERMOGRAPH.



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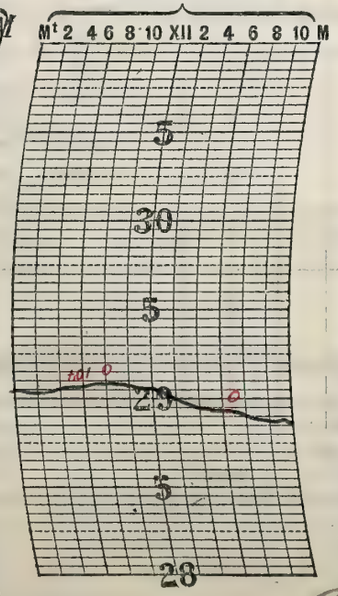
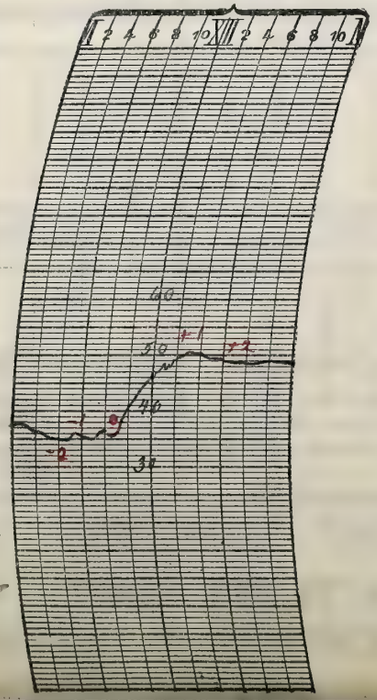


THERMOGRAPH.



Prepared by _____

Verified by _____

8—186

ØEstimated

NOTES.

A cloudy day with very mild temperatures and a fair amount of sunshine

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) Wednesday, (Date) _____, 192

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	49	47	46	46	47	48	50	50	53	56	59	62
State of weather: Nature of precipitation and time of beginning and ending			RE DIST									
Amounts of precipitation	—	—	—									
Cloudiness and other conditions	← Cloudy →											
Sunshine (in tenths of hours)							0	0	0.2	1.0	1.0	1.0
Wind direction	SW	W	W	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	8	6	9	11	11	11	8	12	15	17	16	19

Sunrise: Time, 6:14 Character, Cloudy
Moonrise: 11:22a

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	58	57	58	55	54	51	50	49	48	45	44	43
State of weather: Nature of precipitation and time of beginning and ending		RB 1:50	RE 2:10									
Amounts of precipitation		—	—									
Cloudiness and other conditions	← Cloudy →								← Clear →			
Sunshine (in tenths of hours)	1.0	0.7	0.2	0.3	0.8	0						
Wind direction	W	W	SW	W	W	W	W	NW	NW	W	W	W
Wind movement	19	15	18	17	13	10	8	5	4	4	7	10

Sunset: Time, 5:33 Character, Cloudy
Moonset: 11:22a

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
62	43	52.5	—

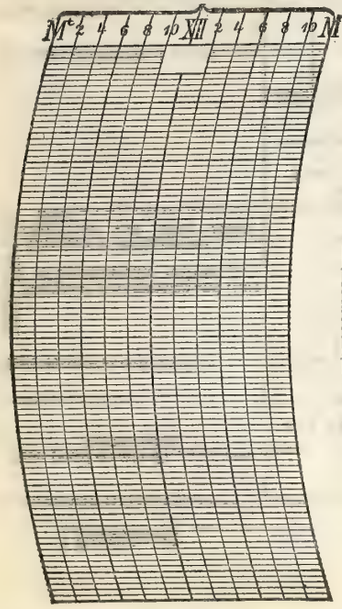
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .26 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .12 inches.
Character of day, Cloudy Moon phase, _____
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 7.6 Possible sunshine, hours, 11.2
Per cent of possible sunshine, 67
Prevailing wind direction, SW & W Total wind 227.8
Average hourly velocity, 11.4 Extreme velocity, _____
Maximum velocity, 28 Direction, SW
Time began, 12:16 p.m.
Reduced barometer, 29.82 7 a. m. 29.97 7 p. m.
River gage, 3.3 feet
Relative humidity, 87 7 a. m. 60 7 p. m.

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

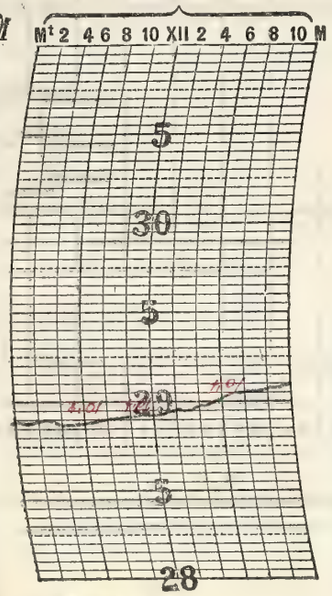
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 61.2 Wet temperature, 52.0
Dew-point, 44 R. humidity, 53 V. pressure, 22.7
Clouds: Amount, 7; Kind, AST; Direction, _____
Velocity of clouds (miles per hour) _____

THERMOGRAPH.



BAROGRAPH.



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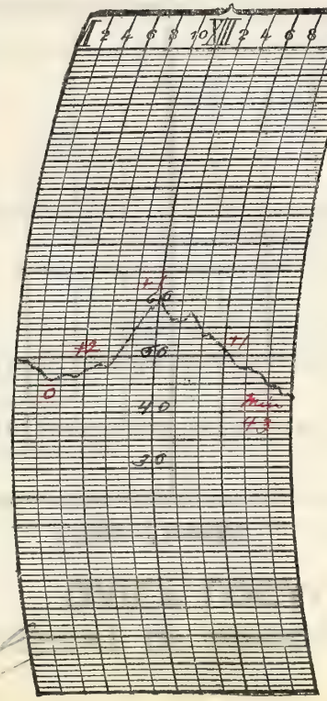


NOTES.

Special 1:00 p.m. (75th Mer. Time) observation called for by Central Office.
A cloudy day with exceptionally mild temperature.

Prepared by _____
Verified by C. M. Donough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) _____, (*Day of week*) _____, (*Date*) _____, 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	40	39	38	37	36	34	34	33	34	34	34	33
State of weather. Nature of precipitation and time of beginning and ending												Snow 11:30
Amounts of precipitation												—
Cloudiness and other conditions						←		Cloudy				

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	32	32	31	32	30	29	27	25	24	24	21	21
State of weather. Nature of precipitation and time of beginning and ending						Snow 5:45						
Amounts of precipitation	—	—	—	—	—	—						
Cloudiness and other conditions					Cloudy							Mostly Cloudy

Sunrise: Time, 6:12 Character, Cloudy

Moonrise: 2:11 a.

Sunset: Time, 5:34 Character, Cloudy

Moonset: 12:40 a.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	W	W	W	W	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	9	9	10	9	12	13	13	14	15	18	16	17
Maximum velocities (exceeding 22 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)	0	0	0	0	0	0						
Wind direction	NW	NW	NW	NW	NW	NW	NW	N	NW	NW	N	N
Wind movement	16	14	16	15	16	16	15	13	10	10	7	4
Maximum velocities (exceeding 22 miles) direction and time												

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
43	21	32.7	

Total depth of snow for 24 hours ending 7 p. m., T inches.

Snow, sleet, and hail on ground 7 p. m., T inches.

Total snowfall, midnight to midnight, T inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Cloudy Moon phase, _____

Average daily cloudiness (0-10), 10

Actual sunshine, hours, 0 Possible sunshine, hours, 11.4

Per cent of possible sunshine, 0

Prevailing wind direction, NW Total wind 340

Average hourly velocity, 12.8 Extreme velocity, 22

Maximum velocity, 21 Direction, NW

Time began, 12:47 p.m.

Reduced barometer, 30.14 7 a. m. 30.45 7, p. m.

River gage, 41 feet

Relative humidity, 75 7 a. m. 65 7 p. m.

Excessive precipitation, accumulated amounts	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

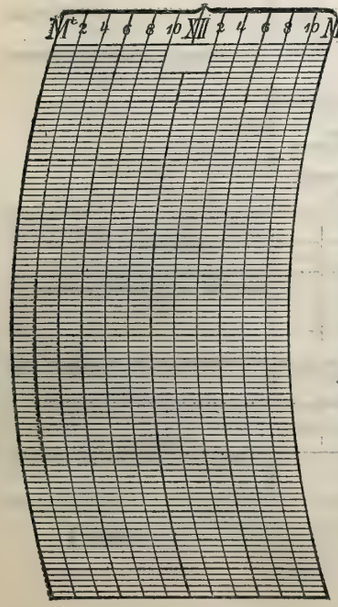
Dry temperature, 32.0 Wet temperature, 29.7

Dew-point, 26 R. humidity, 76 V. pressure, .136

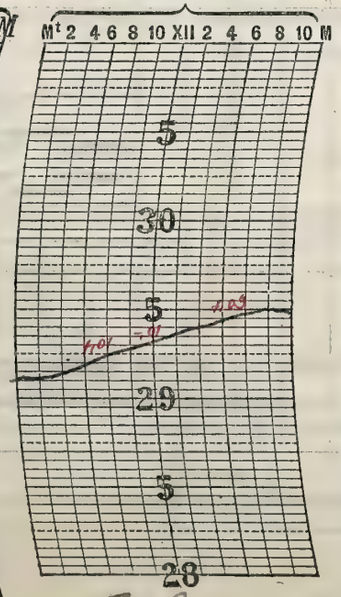
Clouds: Amount, 10; Kind, StCu; Direction, NW

Velocity of clouds (miles per hour) _____

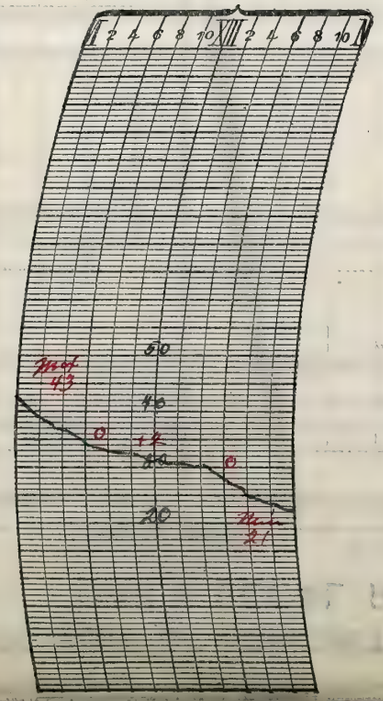
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Sunrise 12:00 Noon (75th Meridian Time) observation called for by the Central Office

A cloudy and cold day with moderate westerly winds and light moist snow during the late morning and entire afternoon. The snow melted as it fell.

Prepared by P. C. McDonough

Verified by _____

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) MAR 4 1921, 192

Time (local standard). 90th mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	21	21	21	21	21	22	22	23	24	26	28	30
State of weather. Nature of precipitation and time of beginning and ending								SN B 7:45	SN E 8:30			
Amounts of precipitation								—	—			
Cloudiness and other conditions	Pcldy	Clear					Pcldy	Cloudy				
Sunrise: Time, Character,	6:10 Cloudy											
Moonrise:	2:50a											
Sunshine (in tenths of hours)							0	0	0	0	0	0.1
Wind direction	NE	NE	N	N	N	E	E	SE	SE	SE	S	S
Wind movement	5	4	4	4	5	3	4	6	7	9	10	10

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	33	35	37	39	40	40	39	39	40	41	42	47
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions			Cloudy									
Sunset: Time, Character,									5:35 Cloudy			
Moonset:									1:09p			
Sunshine (in tenths of hours)	0.9	0	0	0	0	0						
Wind direction	S	SE	SE	SE	S	SE	E	E	SE	SE	S	SW
Wind movement	11	10	10	9	9	4	4	5	5	6	9	13

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

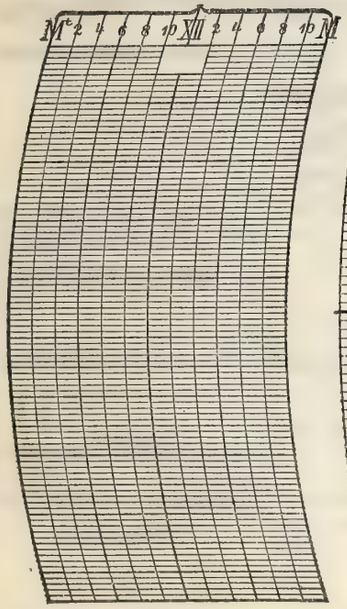
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
47	21	34	

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0–10), 9
Actual sunshine, hours, 1.0 Possible sunshine, hours, 11.4
Per cent of possible sunshine, 9
Prevailing wind direction, SE Total wind
Average hourly velocity, Extreme velocity,
Maximum velocity, 15 Direction, SW
Time began, 11:43 p.m.
Reduced barometer, 30.45 7 a. m. 30.05 7 p. m.
River gage, 4.4 Feet
Relative humidity, 79 7 a. m. 65 7 p. m.

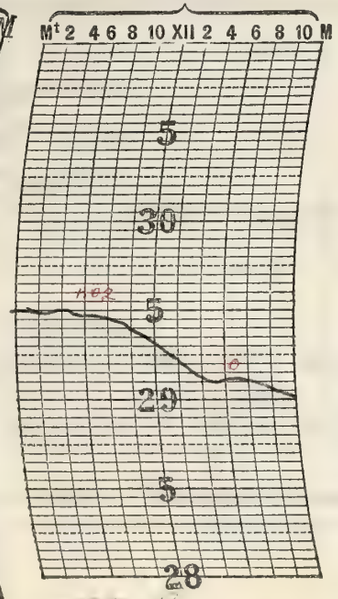
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 29.6 Wet temperature, 28.0
Dew-point, 25 R. humidity, 82 V. pressure, 13.0
Clouds: Amount, 9; Kind, St Cu.; Direction, W.
Velocity of clouds (miles per hour)

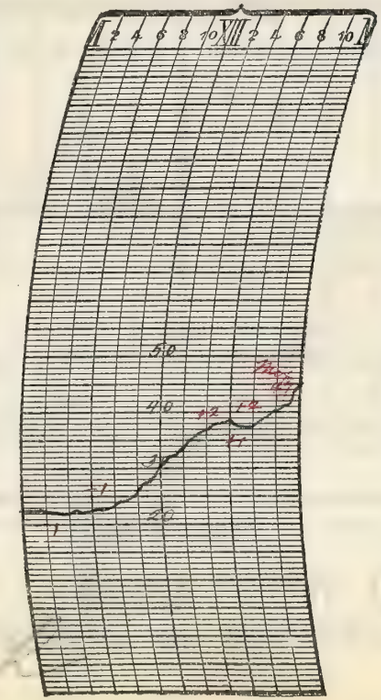
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A cloudy and somewhat cold day with a heavy shower during the morning.

Prepared by

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) _____, (Date) _____, 192

Time (local standard). 90 mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	48	49	49	48	48	47	47	48	49	50	50	50
State of weather: Nature of precipitation and time of beginning and ending		HB+EDNA										RB 11:[illegible]
Amounts of precipitation		—	—	—								—
Cloudiness and other conditions						← Cloudy						
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	16	16	12	14	14	15	15	17	17	16	17	14

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	53	54	57	64	63	63	61	60	60	60	60	58
State of weather: Nature of precipitation and time of beginning and ending	RE 12:07	RB 1:10	RE 2:10									
Amounts of precipitation	—	—	—									
Cloudiness and other conditions				Cloudy								
Sunshine (in tenths of hours)	0	0	0.6	1.0	0.2	0						
Wind direction	S	SW	S	S	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	10	14	11	11	16	18	17	17	18	21	25	30

Sunrise: Time, 6:09 Character, Cloudy

Moonrise: 3:36 a.

Sunset: Time, 5:36 Character, Cloudy

Moonset: 1:04 a.

Maximum velocities (exceeding 25 miles) direction and time: 36 SW 11:30 p.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
64	47	56	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0.1 ins.; to 7 p. m., [illegible] ins.

Total precipitation, midnight to midnight, [illegible] inches.

Character of day, Cloudy Moon phase, _____

Average daily cloudiness (0-10), 10

Actual sunshine, hours, 1.8 Possible sunshine, hours, [illegible]

Per cent of possible sunshine, 16

Prevailing wind direction, SW Total wind 306

Average hourly velocity, 16.5 Extreme velocity, 110

Maximum velocity, 36 Direction, SW

Time began, 11:30 p.m.

Reduced barometer, 29.87 7 a. m. [illegible] 7 p. m.

River gage, 4.3 Feet

Relative humidity, 85 7 a. m. [illegible] 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

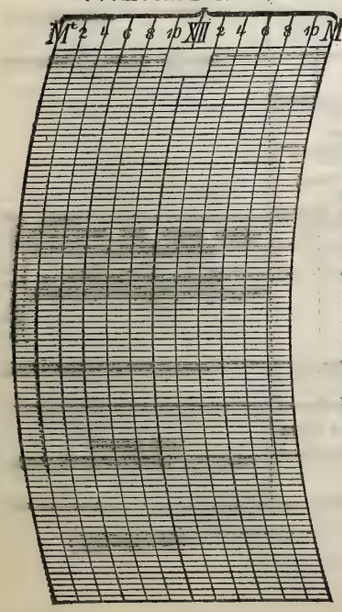
Dry temperature, 49.8 Wet temperature, 46.8

Dew-point, 45 R. humidity, 87 V. pressure, .228

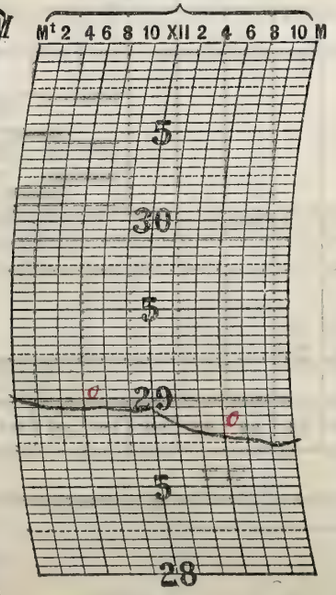
Clouds: Amount, 10; Kind, Nb; Direction, SW

Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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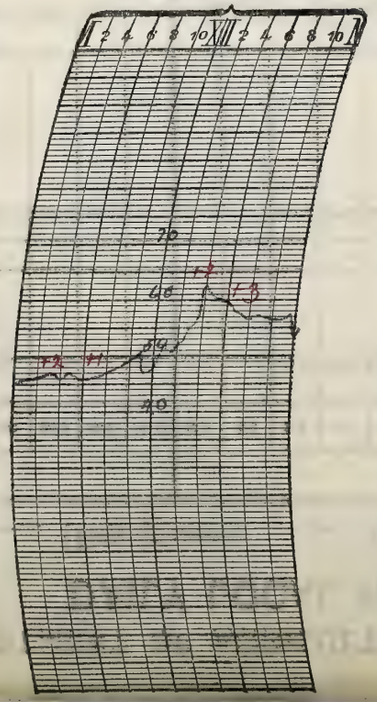


NOTES.

The sky became overcast with clouds of sufficient density to cause artificial lights to be necessary for the performance of indoor work about 10:45 am until 11:45 am.

A cloudy and damp day with rather high temperatures.

Thunderstorm began and ended during night a.m., direction unknown.

Thunderstorm began at 11:05 a.m. and continued until 2:10 p.m. The storm moved from the west and was light in character and accompanied by a light rain.

The wind was strong the night and became high close to daylight.

Prepared by _____

Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) Nov. 27, 192

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	56	56	55	52	53	52	52	51	43	42	41	41
State of weather: Nature of precipitation and time of beginning and ending			RB	E	D	N		RB 9:05 RE 9:30			RB 10:20	
Amounts of precipitation			—	—	—			—			—	—
Cloudiness and other conditions	← Cloudy											
Sunrise: Time, Character,	6:07 Cloudy											
Moonrise:	4:11a											
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	N	N	N
Wind movement	32	25	23	26	19	17	13	13	10	9	7	6
Maximum velocities (exceeding 20 miles) direction and time	40 SW 12:25											

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	39	39	39	39	39	39	39	38	35	37	37	37
State of weather: Nature of precipitation and time of beginning and ending								RE 9:40				
Amounts of precipitation	—	—	—	—	—	—	—	—				
Cloudiness and other conditions	Cloudy											
Sunset: Time, Character,									5:37 Cloudy			
Moonset:									3:00p			
Sunshine (in tenths of hours)	0	0	0	0	0	0						
Wind direction	N	N	N	NE	NE	NE	NE	NE	NE	NE	E	NE
Wind movement	7	5	7	8	8	8	8	8	11	9	8	8

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
59	37	48	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .06 ins.; to 7 p. m., .22 ins.
Total precipitation, midnight to midnight, .29 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 11.5
Per cent of possible sunshine, 0
Prevailing wind direction, SW Total wind 295
Average hourly velocity, 12.3 Extreme velocity, 44
Maximum velocity, 40 Direction, SW
Time began, 12:25 a.m.
Reduced barometer, 29.73 7 a. m. 29.69 7 p. m.
River gage, 4.7 Feet
Relative humidity, 84 7 a. m. 95 7 p. m.

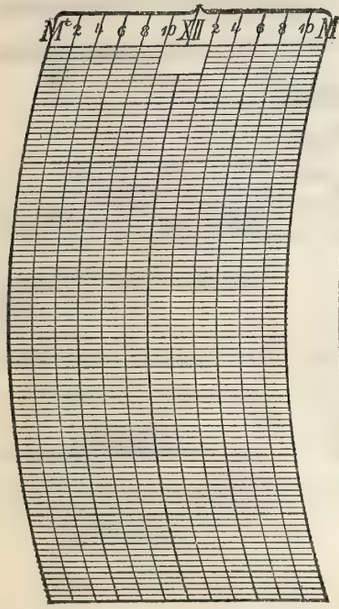
Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

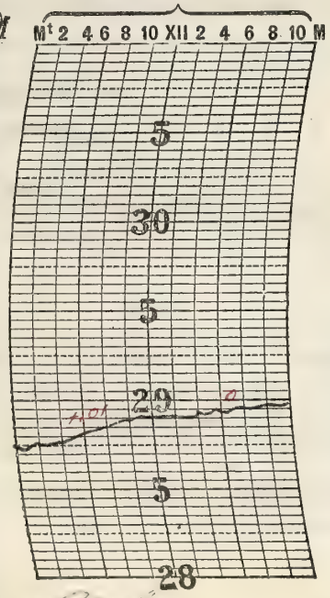
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 40.0 Wet temperature, 38.1
Dew-point, 38 R. humidity, 93 V. pressure, .228
Clouds: Amount, 10; Kind, Nb; Direction, N
Velocity of clouds (miles per hour)

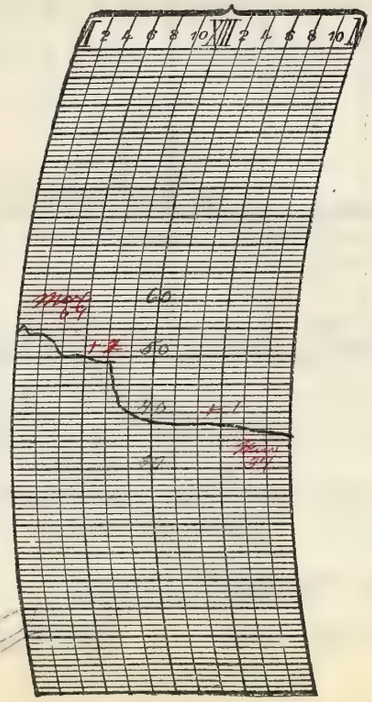
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A cloudy day with moderate temperatures and light rain which fell during the major portion thereof. The high winds of the night of the 5th & 6th abated toward morning. Heavy rain damage of a serious nature was reported as a result of this storm.

Prepared by

Verified by D. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) [illegible], (*Day of week*) [illegible], (*Date*) [illegible], 192

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	36	35	35	35	35	34	34	33	34	35	36	38
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						←		Cloudy				
Sunrise: Time, Character, 6:06a Cloudy												
Moonrise: 4:44a												
Sunshine (in tenths of hours)							0	0	0	0	0	0.2
Wind direction	E	E	E	NE	NE	NE	NE	NE	E	E	E	E
Wind movement	9	9	7	6	8	7	9	9	8	7	9	8

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	44	43	46	46	46	45	48	49	48	48	54	55
State of weather. Nature of precipitation and time of beginning and ending				RB 3:50				RE 8:00				
Amounts of precipitation				—	—	—	—	—				
Cloudiness and other conditions				Cloudy					← Partly Cloudy →			
Sunset: Time, Character, 5:32 Cloudy												
Moonset: 3:57p												
Sunshine (in tenths of hours)	0.4	0	0.1	0	0	0						
Wind direction	E	SE	E	E	E	E	E	SE	SE	SE	SE	S
Wind movement	8	6	7	6	7	9	10	5	6	6	7	9

Maximum velocities (exceeding 22 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
55	33	44	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .01 ins.; to 7 p. m., .64 ins.

Total precipitation, midnight to midnight, .01 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10), 10

Actual sunshine, hours, 0.7 Possible sunshine, hours, 11.6

Per cent of possible sunshine, 6

Prevailing wind direction, E Total wind 188

Average hourly velocity, 7.8 Extreme velocity, 12

Maximum velocity, 12 Direction, NE

Time began, 9:24 a.m.

Reduced barometer, 29.11 7 a. m. 29.11 7 p. m.

River gage, 7.6 Fall

Relative humidity, 78 7 a. m. 73 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

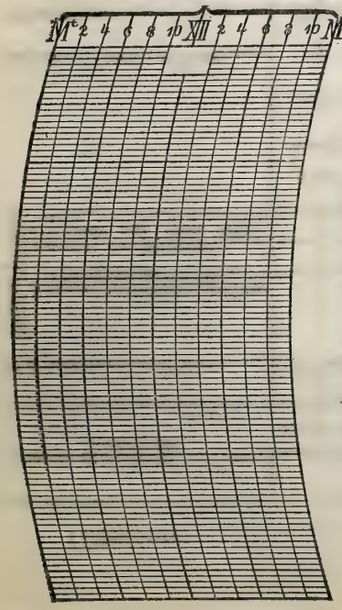
Dry temperature, 39.1 Wet temperature, 38.0

Dew-point, 37 R. humidity, 94 V. pressure, .219

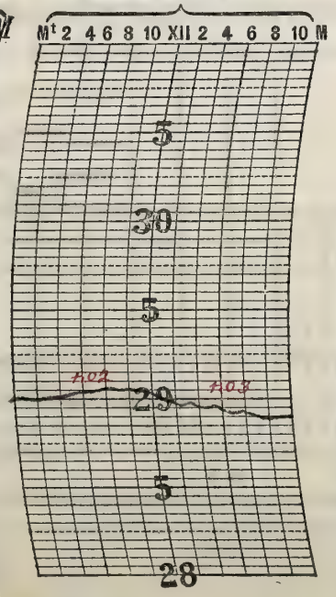
Clouds: Amount, 10; Kind, St; Direction, E

Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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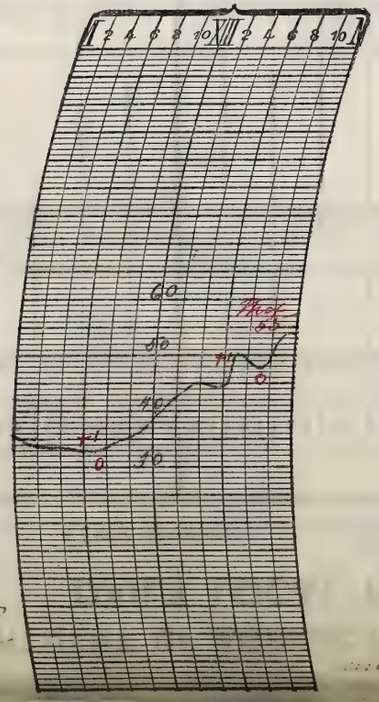


NOTES.

A thunderstorm commenced at 4:45 p.m. and continued until 8:00 p.m. The storm moved from the west and was light in character and accompanied by light rain, ~~accepting~~ during the period between six and seven o'clock when there was loud thunder, sharp lightning and a heavy downpour of rain which flooded some of the streets of the city. Hail was reported to have fallen in a few scattered sections of the city i.e. Spring Run, Upper Broadway, and the southern end of the city, but none occurred at the station. There was no serious damage reported as a result of the hail, though it was claimed the hailstones were as large as hickory nuts in the southern sections of the city. Skies and climate now with moderate temperature

Prepared by J. W. Ronough

Verified by [illegible]

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) [illegible], 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	55	59	61	62	62	62	62	63	64	65	65	63 HB 11:43
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												—
Cloudiness and other conditions						← Cloudy						
Sunshine (in tenths of hours)							0	0	0	1.0	1.0	0.5
Wind direction	S	S	S	S	SW	S	S	S	S	S	SW	SW
Wind movement	11	14	20	24	21	18	21	22	27	30	25	22
Maximum velocities (exceeding 29 miles) direction and time										32 S 8:25		

Sunrise: Time, 6:04 Character, Cloudy
Moonrise: 5:15a

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	58	59	60	60	59	58	54 HE 6:20	48	43 HB 8:10	42	42	40
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation		—	—	—	—	—	—		—	—	—	—
Cloudiness and other conditions					Cloudy							
Sunshine (in tenths of hours)	0	0	0.3	0	0	0						
Wind direction	SW	SW	SW	SW	SW	SW	SW	NW	N	N	N	N
Wind movement	27	24	20	21	20	15	13	10	12	11	11	10
Maximum velocities (exceeding 29 miles) direction and time	30 SW 12:22	32 SW 12:5										

Sunset: Time, 8:40 Character, Cloudy
Moonset: 4:55p

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
66	40	53	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .02 ins.; to 7 p. m., .24 ins.
Total precipitation, midnight to midnight, .30 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 2.8 Possible sunshine, hours, 11.6
Per cent of possible sunshine, 24
Prevailing wind direction, SW Total wind 445
Average hourly velocity, 18.8 Extreme velocity, 30
Maximum velocity, 32 Direction, SW
Time began, 1:05 p.m.
Reduced barometer, 29.75 7 a. m. 29.84 7 p. m.
River gage, 11.9 Feet
Relative humidity, 71 7 a. m. 88 7 p. m.

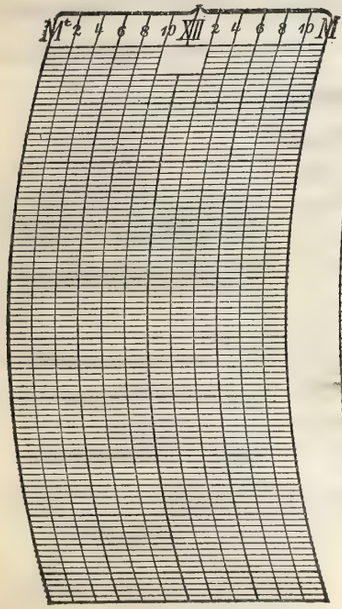
Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

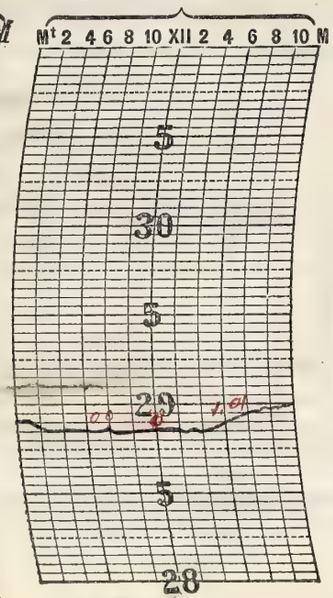
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 65.8 Wet temperature, 58.0
Dew-point, 53 R. humidity, 63 V. pressure, .402
Clouds: Amount, 10; Kind, Stratus; Direction, SW
Velocity of clouds (miles per hour)

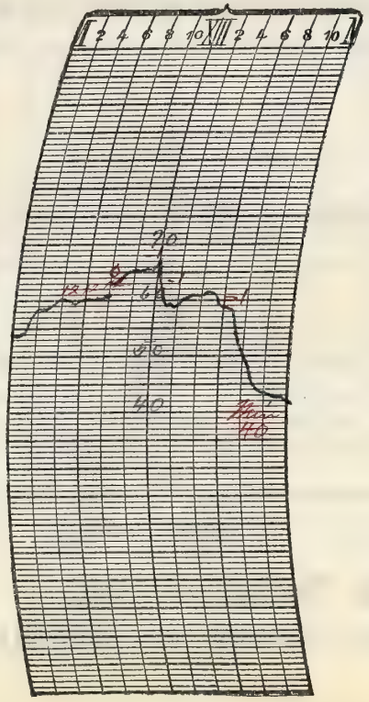
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Prepared by

Verified by O. McDonough

8—486

NOTES.

(Estimated.)

Special 1:00 p.m. (75th Meridian Time) observation called for by the Central Office. Flood warning! — Interests advised. Maumee River, Fort Wayne, will reach 15.0 feet or higher by Wednesday morning.

River stage at 5:30 p.m. 18.5 feet.

A cloudy and gloomy day with rain throughout the day and evening.

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) _____, (*Day of week*) _____, (*Date*) _____, 192

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	39	39	38	37	36	36	34	34	34	37	39	40
State of weather: Nature of precipitation and time of beginning and ending			18 Dwk									
Amounts of precipitation	—	—	—	—								
Cloudiness and other conditions						← Cloudy	—	× Pt Cldy		× Clear		
Sunrise: Time, Character,	6:02 Cloudy											
Moonrise:	5:44a											
Sunshine (in tenths of hours)							0	0	0.9	1.0	1.0	1.0
Wind direction	N	N	N	N	N	N	N	N	N	N	N	N
Wind movement	10	12	9	10	9	9	9	10	12	10	9	10

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	43	43	41	41	39	37	36	34	33	33	32	31
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions		× Pt Cldy	× Cldy	× Pt Cldy			Clear					
Sunset: Time, Character,									5:41 Cloudy			
Moonset:									5:55p			
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.1						
Wind direction	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	W	W
Wind movement	11	13	16	15	15	10	6	6	6	4	6	6

Maximum velocities (exceeding 29 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
44	31	38	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .16 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, .10 inches.

Character of day, Pt. Cloudy Moon phase, New - 12:29 p. m.

Average daily cloudiness (0-10), 5

Actual sunshine, hours, 2.0 Possible sunshine, hours, 11.6

Per cent of possible sunshine, 78

Prevailing wind direction, NW Total wind 233

Average hourly velocity, 9.7 Extreme velocity, 19

Maximum velocity, 19 Direction, NW

Time began, 4:12 p. m.

Reduced barometer, 30.01 7 a. m. 30.[illegible] 7 p. m.

River gage, 12.4 Frozen

Relative humidity, 86 7 a. m. [illegible] 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

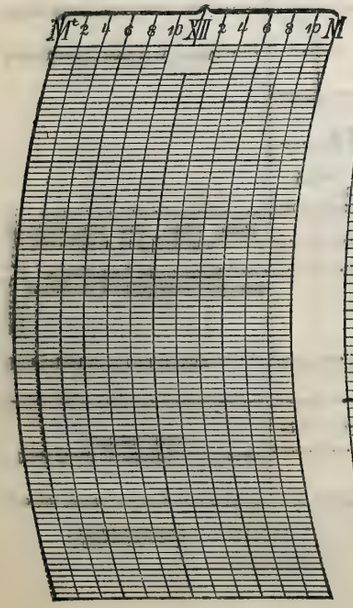
Dry temperature, 40.2 Wet temperature, 33.7

Dew-point, 23 R. humidity, 49 V. pressure, [illegible]

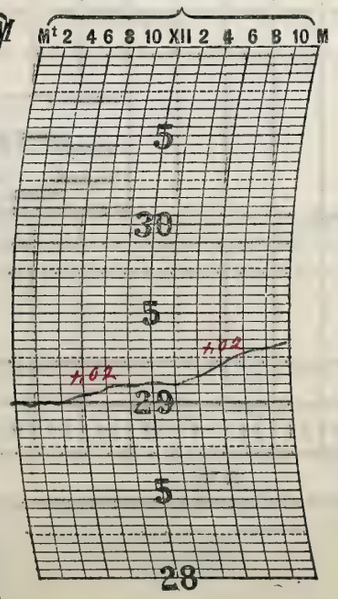
Clouds: Amount, 1; Kind, Cu; Direction, N

Velocity of clouds (miles per hour)

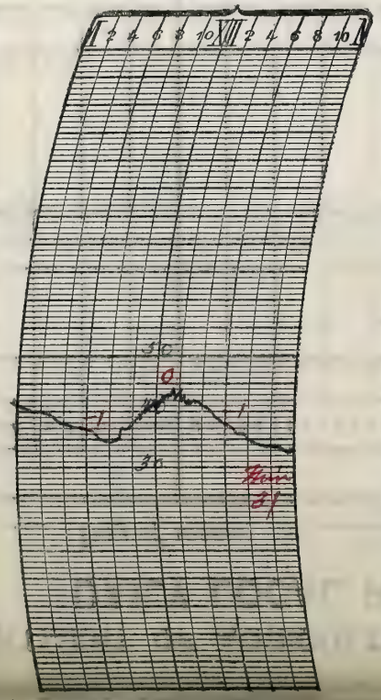
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Prepared by C.O.S.

Verified by R. M. Hanaught

8—486

Estimated

NOTES.

A mostly cloudy day with an abundance of light, warm sunshine and varied temperatures.

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) _____, (*Day of week*) _____, (*Date*) _____, 192

Time (local standard). 90° mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	30	30	29	29	29	29	29	31	33	40	42	45	47	49	51	51	50	49	47	45	43	43	42	40
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						←			Clear							Clear						→		
Sunshine (in tenths of hours)							.78 / 0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	.30 / 0.3						
Wind direction	W	SWV	SWV	SWV	SW	SW	SW	SWV	SWV	SWV	S	S	S	S	S	S	S	S	S	S	S	S	S	S
Wind movement	4	5	7	7	7	7	9	11	14	15	16	15	16	16	19	18	15	11	8	7	7	8	9	9
Maximum velocities (exceeding 25 miles) direction and time																								

Sunrise: Time, 6:01 Character, Clear
Moonrise: 6:14a

Sunset: Time, 5:42 Character, Clear
Moonset: 6:15p

Excessive precipitation, accumulated amounts	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

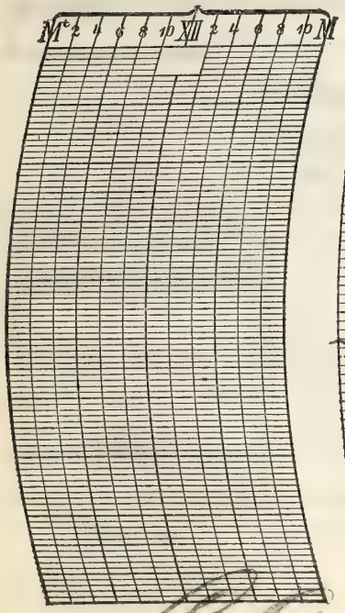
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
51	28	40	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, _____
Average daily cloudiness (0-10), 0
Actual sunshine, hours, 11.6 Possible sunshine, hours, 11.7
Per cent of possible sunshine, 99
Prevailing wind direction, S Total wind 260
Average hourly velocity, 10.8 Extreme velocity, 24
Maximum velocity, 22 Direction, S
Time began, 2:26 p.m.
Reduced barometer, 30.30 7 a. m. 30.15 7 p. m.
River gage, 12.4 Fall
Relative humidity, 44 7 a. m. 45 7 p. m.

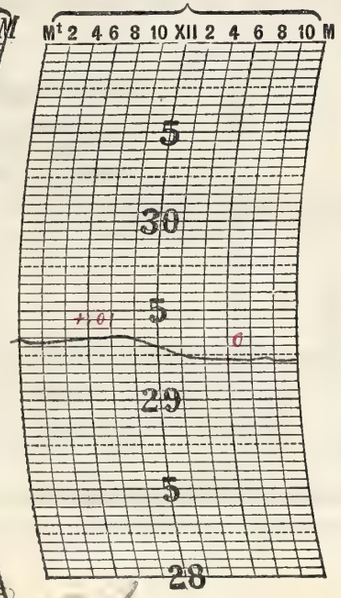
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 46.8 Wet temperature, 38.0
Dew-point, 26 R. humidity, 42 V. pressure, 136
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

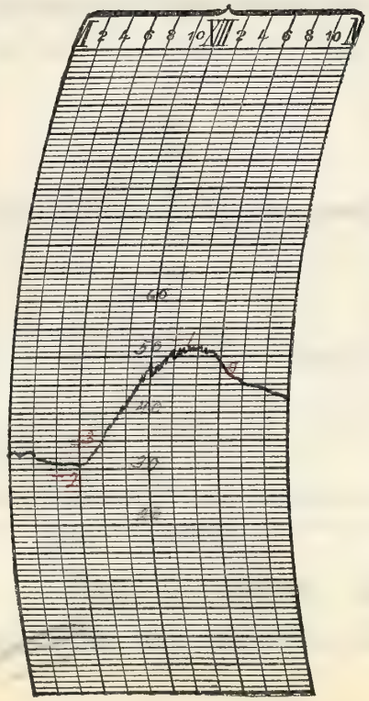
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A clear, balmy, spring-like day with extremely mild temperature and an atmosphere of light, warm sunshine.

Prepared by _____

Verified by _____

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) _____, (*Day of week*) _____, (*Date*) _____, 192

Time (local standard). 90th mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	40	38	37	37	38	39	47	48	50	54	57	59
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						←		Pt Cloudy				
Sunrise: Time, Character, 5:39 Cloudy												
Moonrise: 6:45a												
Sunshine (in tenths of hours)						0	0.1	1.0	1.0	1.0	1.0	1.0
Wind direction	S	S	S	S	S	S	S	S	SW	SW	SW	SW
Wind movement	9	8	7	5	5	7	8	11	10	11	10	14
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	59	60	61	61	60	58	58	56	54	54	53	53
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions			Pt Cloudy			→	Clear					
Sunset: Time, Character, 5:43 Cloudy												
Moonset: 7:57p												
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	0	0						
Wind direction	SW	SW	SW	SW	SW	SW	SW	S	S	S	S	S
Wind movement	15	15	15	14	10	7	3	3	3	5	3	5
Maximum velocities (exceeding 29 miles) direction and time												

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
61	37	49	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt Cloudy Moon phase, _____

Average daily cloudiness (0–10), 6

Actual sunshine, hours, 9.1 Possible sunshine, hours, 11.9

Per cent of possible sunshine, 78

Prevailing wind direction, S Total wind 203

Average hourly velocity, 8.5 Extreme velocity, 19

Maximum velocity, 18 Direction, SW

Time began, 12:55 p.m.

Reduced barometer, 30.14 7 a. m. 30.04 7 p. m.

River gage, 12.7 Feet

Relative humidity, 78 7 a. m. 42 7 p. m.

	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

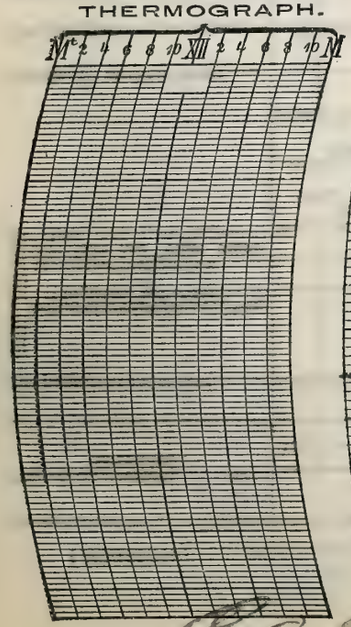
Dry temperature, 58.0 Wet temperature, 45.3

Dew-point, 30 R. humidity, 34 V. pressure, 16.4

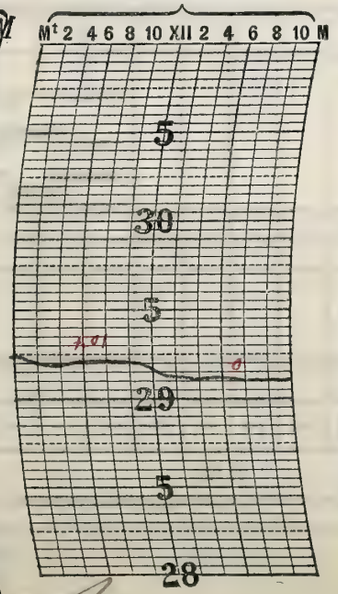
Clouds: Amount, 5; Kind, C.St; Direction, W

Velocity of clouds (miles per hour) _____

THERMOGRAPH.



BAROGRAPH.



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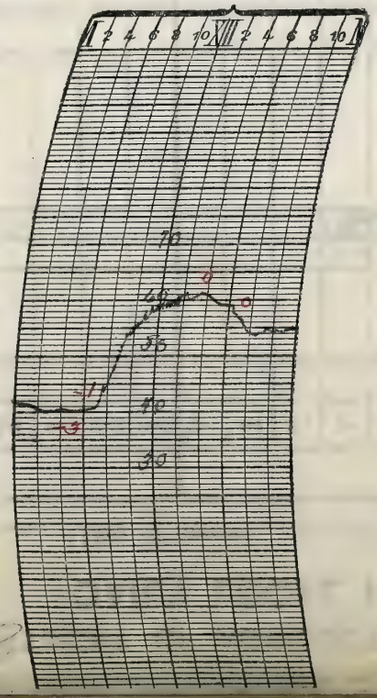


NOTES.

A fairly cloudy and warm spring like day.

Prepared by C. O. S.

Verified by C. McDonough

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) _____, (Date) _____, 192

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	54	54	52	52	51	49	48	49	50	49	50	50
State of weather: Nature of precipitation and time of beginning and ending			RBDNA									
Amounts of precipitation			—	—	—	—	—	—	—	—	—	—
Cloudiness and other conditions						← Cloudy						
Sunrise: Time, 5:57 Character, Cloudy												
Moonrise: 7:18a												
Sunshine (in tenths of hours)						0	0	0	0	0	0	0
Wind direction	S	S	S	N	SE	NE	E	E	E	E	E	E
Wind movement	5	4	5	5	5	3	9	13	13	8	8	6

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	51	50	51	53	53	53	50	43	41	40	39	39
State of weather: Nature of precipitation and time of beginning and ending			RE 2:30p									
Amounts of precipitation												
Cloudiness and other conditions					← Cloudy							→
Sunset: Time, 5:44 Character, Cloudy												
Moonset: 8:52p												
Sunshine (in tenths of hours)	0.2	0	0.3	0.8	0.3	0						
Wind direction	E	SE	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	4	3	13	14	13	7	10	13	12	10	9	8

Maximum velocities (exceeding 29 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

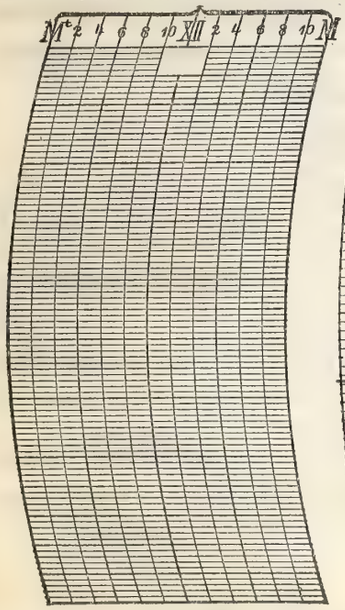
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
54	39	46	✓

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .16 ins.; to 7 p. m., .06 ins.
Total precipitation, midnight to midnight, .22 inches.
Character of day, Cloudy Moon phase, _____
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 1.6 Possible sunshine, hours, 11.8
Per cent of possible sunshine, 14
Prevailing wind direction, NW Total wind 200
Average hourly velocity, 8.3 Extreme velocity, 24
Maximum velocity, 20 Direction, E
Time began, 9:03 a.m.
Reduced barometer, 29.93 7 a. m. 29.91 7 p. m.
River gage, 11.9 Feet
Relative humidity, 94 7 a. m. 90 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 50.0 Wet temperature, 49.0
Dew-point, 48 R. humidity, 93 V. pressure, .334
Clouds: Amount, 10; Kind, NW; Direction, E
Velocity of clouds (miles per hour)

THERMOGRAPH.



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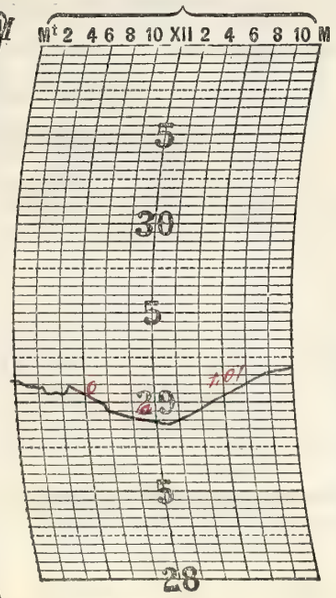

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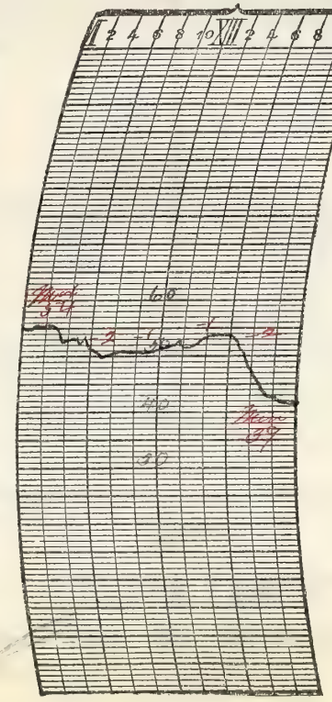


NOTES.

Thunderstorm commenced at 11:10 a.m. and ended during night a.m.

Cold wave warning was received embodied in regular am. forecast at 9:16 a.m. It was phoned to all fruitmen interested and published on the bulletins.

Special 12:00 Noon (75th Meridian Time) observation called for by the Central Office.

At 12:30 p.m. the river had risen to 12.7 feet.

At 1:00 p.m. local interests advised that the river would reach 17 feet or higher Sunday.

River stage at 7:45 p.m. 14.1 feet.

A cloudy and gloomy day with moderate temperatures and light rain in the morning and early afternoon.

Prepared by _____

Verified by _____

8—480

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Worth, Tex., (Day of week) Sunday, (Date) [illegible], 192

Time (local standard). 90 mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	38	39	38	39	39	39	39	39	40	41	42	45
State of weather: Nature of precipitation and time of beginning and ending		RR+ED	NR									
Amounts of precipitation		—	—	—								
Cloudiness and other conditions						← Foggy					Cloudy	
Sunrise: Time, Character, 5:55 a Foggy												
Moonrise: 7:54 a												
Sunshine (in tenths of hours)						0	0	0	0	0	0.1	0
Wind direction	NW	NW	NW	NW	NW	W	NW	NW	SE	S	S	S
Wind movement	6	5	5	3	4	3	3	1	3	4	6	7
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	46	47	47	47	48	47	47	46	44	43	42	42
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions				Cloudy								
Sunset: Time, Character, 5:45 Cloudy												
Moonset: 10:03 p												
Sunshine (in tenths of hours)	0.7	0.5	0.2	0.1	0.1	0						
Wind direction	S	SW	SW	S	SE	SE	E	E	E	E	E	E
Wind movement	5	6	2	4	4	4	5	7	7	9	8	9
Maximum velocities (exceeding 29 miles) direction and time												

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
48	38	43	

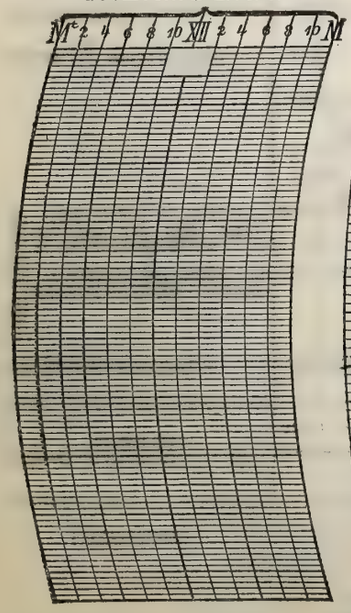
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (6-10), 10
Actual sunshine, hours, 1.7 Possible sunshine, hours, 11.8
Per cent of possible sunshine, 14
Prevailing wind direction, NW Total wind 120
Average hourly velocity, 5.0 Extreme velocity,
Maximum velocity, 12 Direction, E
Time began, 11:51 p.m.
Reduced barometer, 30.25 7 a. m. [illegible] 7 p. m.
River gage, 15.3 + 0.0 f.
Relative humidity, 96 7 a. m. 86 7 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

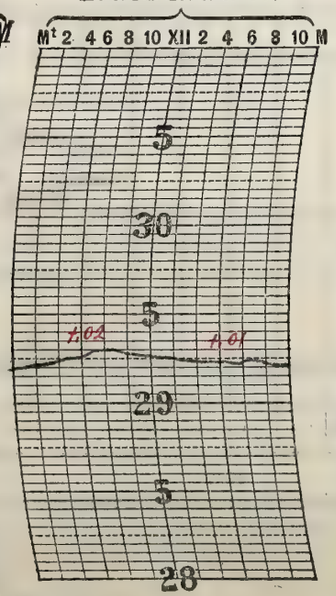
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 45.0 Wet temperature, 43.0
Dew-point, 41 R. humidity, 86 V. pressure, 0.256
Clouds: Amount, 10; Kind, St; Direction, S
Velocity of clouds (miles per hour)

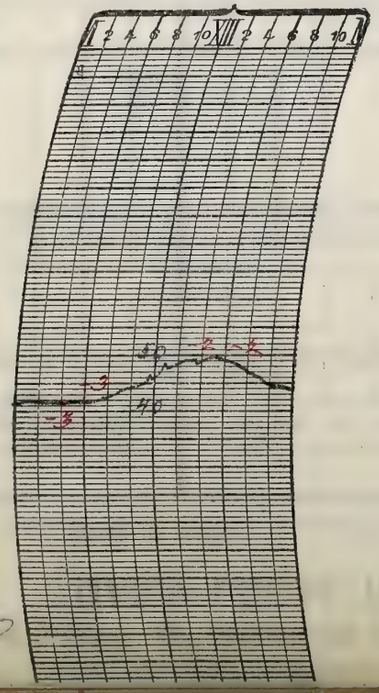
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Dense fog began 10 M. A. and ended at 8:30 a.m.
A cloudy and somewhat gloomy day with moderate temperature.

Prepared by [illegible]
Verified by [illegible]

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) East Warren, Ind., (Day of week) Monday, (Date) [illegible], 192

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	42	42	43	41	41	41	41	41	42	43	43	45
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Foggy						→
Sunrise: Time, Character,	5:54 Foggy											
Moonrise:	8:54a											
Sunshine (in tenths of hours)						0	0	0	0	0	0	0
Wind direction	E	E	E	E	E	E	E	E	E	E	E	E
Wind movement	8	9	12	11	12	13	14	12	11	11	9	9

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	48	50	50	51	52	51	51	52	52	53	52	52
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Cloudy					
Sunset: Time, Character,									5:46 Cloudy			
Moonset:									11:05p			
Sunshine (in tenths of hours)	0.5	0.6	1.0	0.2	0	0						
Wind direction	E	E	E	E	E	E	SE	SE	SE	SE	S	S
Wind movement	7	5	8	8	6	5	5	4	2	3	4	8

Maximum velocities (exceeding 29 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
53	41	47	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10), 10

Actual sunshine, hours, 2.3 Possible sunshine, hours, 11.5

Per cent of possible sunshine, 19

Prevailing wind direction, E Total wind 196

Average hourly velocity, 8.2 Extreme velocity, 18

Maximum velocity, 17 Direction, E

Time began, 6:12 a.m.

Reduced barometer, 30.[illegible] 7 a. m. 30.[illegible] 7 p. m.

River gage, 14.8 rise

Relative humidity, 100 7 a. m. [illegible] 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

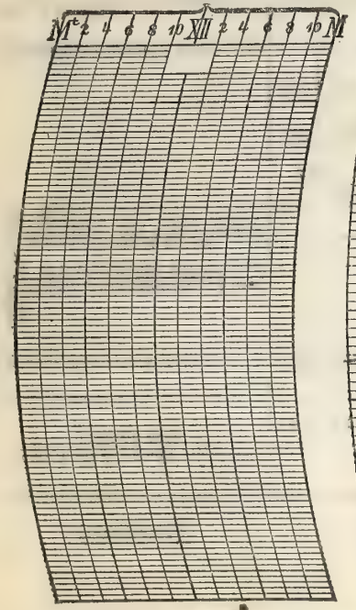
Dry temperature, 44.4 Wet temperature, 43.[illegible]

Dew-point, 43 R. humidity, 96 V. pressure, 29.7

Clouds: Amount, 10; Kind, Fog; Direction, E

Velocity of clouds (miles per hour)

THERMOGRAPH.



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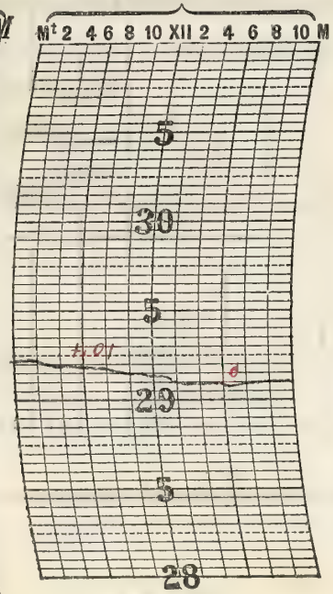

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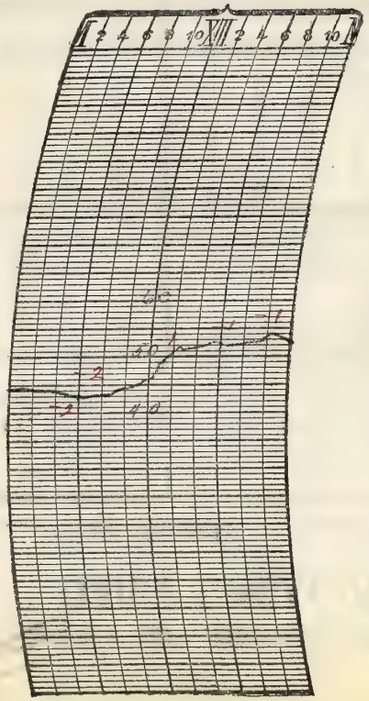


NOTES.

Dense Fog began:- During night [illegible]

Dense Fog ended:- 11:00 am.

Light Fog began:- 11:00 a.m.

Light Fog ended:- 4:50 p.m.

A cloudy day with moderate temperature.

Prepared by [illegible]

Verified by [illegible]

3—186

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) Tuesday, (Date) [illegible], 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	50	51	50	49	48	49	49	54	59	63	65	67	70	69	69	70	71	68	65	57	54	49	45	43
State of weather. Nature of precipitation and time of beginning and ending																	RB 4:33 RE 4:35		RB 6:13 RE 6:30 RB 6:37	RE 7:30				
Amounts of precipitation																	—		—	—				
Cloudiness and other conditions						← Pt. Cloudy				→					Cloudy						→ Mostly Clear			
Sunshine (in tenths of hours)						0	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	1.0	0.6	0.4						
Wind direction	S	SW	SW	SW	SW	SW	SW	SW	SW	S	S	S	S	SW	SW	SW	SW	W	SW	NW	NW	NW	NW	NW
Wind movement	10	8	8	10	11	9	11	11	14	16	18	20	22	20	16	19	17	16	12	17	16	15	18	11

Sunrise: Time, 5:53 Character, Cloudy
Moonrise: 9:20a

Sunset: Time, 5:47 Character, Cloudy
Moonset: —

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

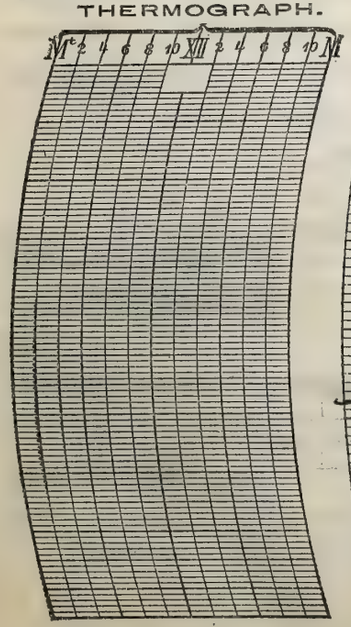
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
71	43	57	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .01 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 10.3 Possible sunshine, hours, 14.7
Per cent of possible sunshine, 87
Prevailing wind direction, S.W. Total wind 345
Average hourly velocity, 14.4 Extreme velocity, 27
Maximum velocity, 25 Direction, SW
Time began, 12:14 p.m.
Reduced barometer, 30.03 7 a. m. 29.85 7 p. m.
River gage, 12.3 Feet
Relative humidity, 83 7 a. m. 79 7 p. m.

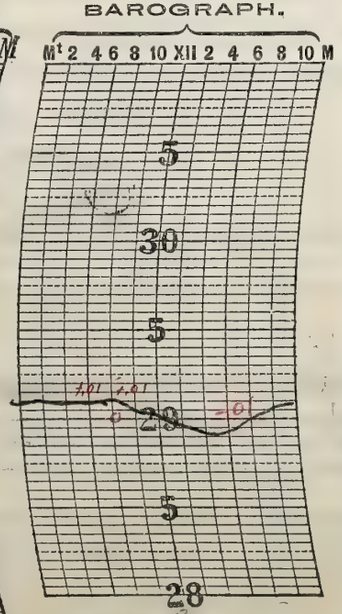
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 62.0 Wet temperature, 60.0
Dew-point, 57 R. humidity, 71 V. pressure, .465
Clouds: Amount, 9; Kind, Ast.; Direction, NW
Velocity of clouds (miles per hour)

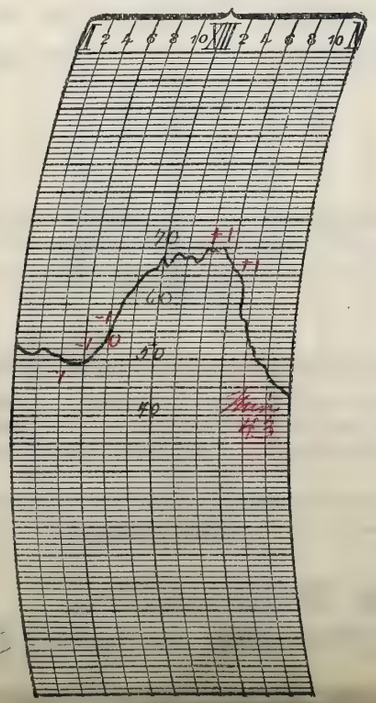
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A fairly cloudy and warm day with an abundance of sunshine through thin clouds. The maximum temperature of 71 degrees was the highest recorded thus far this year.

A solar halo of 22° was observed at 11.20 a.m.; it ended at about 1:30 p.m.

A thunderstorm occurred between 6:15 p.m. and 7:30 p.m.

Prepared by [illegible]
Verified by [illegible]

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, *(Day of week)* _____, *(Date)* _____, 192

Time (local standard) 22° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	42	40	38	38	37	37	34	35	37	40	43	45
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Clear						
Sunrise: Time, Character	5:51 Clear											
Moonrise:	10:13a											
Sunshine (in tenths of hours)						.15 0	0.6 0.4	1.0	1.0	1.0	1.0	1.0
Wind direction	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	13	16	13	10	11	8	9	11	16	14	13	13
Maximum velocities (exceeding 22 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	47	48	49	50	51	47	47	45	44	43	41	40
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	* Pt. Cloudy	*				Clear			* Pt. Cloudy			→
Sunset: Time, Character									5:48 Clear			
Moonset:									12:06a			
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	.30 0.5						
Wind direction	N	NW	NW	NW	NW	SW	SW	SW	SW	S	SW	SW
Wind movement	13	12	10	8	4	6	7	6	7	8	8	7
Maximum velocities (exceeding 22 miles) direction and time												

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
51	33	42	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .01 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase, F.Q. 2:49 p.m.

Average daily cloudiness (0-10), 3

Actual sunshine, hours, 12.0 Possible sunshine, hours, 12.0

Per cent of possible sunshine, 100

Prevailing wind direction, NW Total wind 243

Average hourly velocity, 10.1 Extreme velocity, 23

Maximum velocity, 20 Direction, NW

Time began, 1:22 a.m.

Reduced barometer, 30.19 7 a. m. 30.15 7, p. m.

River gage, 10.4 feet

Relative humidity, 77 7 a. m. 41 7 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

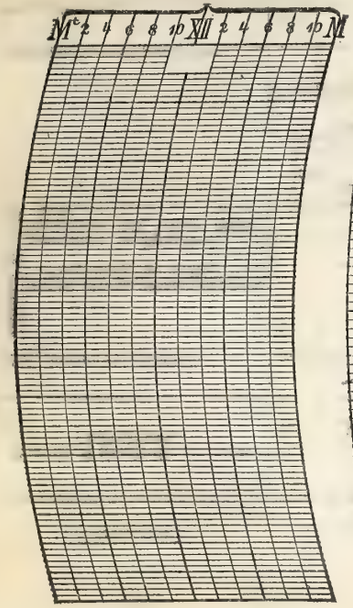
Dry temperature, 45.6 Wet temperature, 38.0

Dew-point, 27 R. humidity, 48 V. pressure, .183

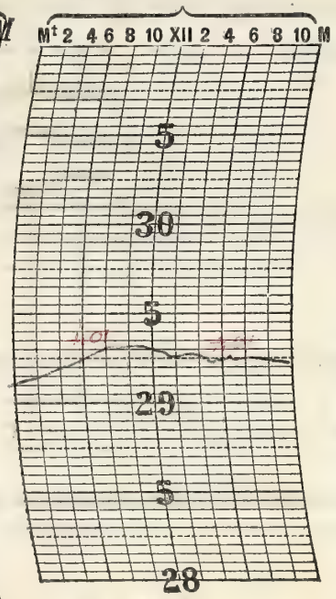
Clouds: Amount, 1; Kind, Cst.; Direction, W.

Velocity of clouds (miles per hour)

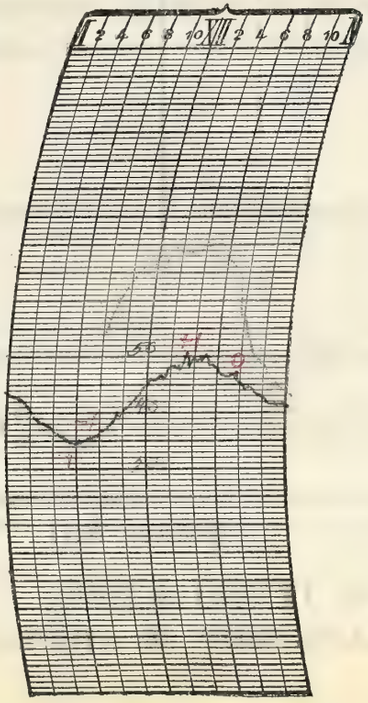
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A clear day with moderate temperature and an abundance of sunshine.

Solar halo of 22 degrees observed from 11:30 a.m. until 3:15 p.m.

Prepared by _____

Verified by _____

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) [illegible], (*Day of week*) [illegible], (*Date*) [illegible], 192

Time (local standard). 90° mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	40	39	38	38	40	45	48	41	45	49	51	52
State of weather. Nature of precipitation and time of beginning and ending												49 139
Amounts of precipitation												
Cloudiness and other conditions						←			Cloudy			
Sunrise: Time, Character,	5:49 Cloudy											
Moonrise:	11:11a											
Sunshine (in tenths of hours)						0	0	0.6	0.4	0.8	0.5	0.2
Wind direction	SW	SW	SW	S	S	S	SW	SW	SW	SW	SW	SW
Wind movement	6	9	8	8	11	11	10	14	17	15	15	15
Maximum velocities (exceeding 20 miles) direction and time												

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	53	54	59	59	59	54	49	46	44	43	41	40
State of weather. Nature of precipitation and time of beginning and ending		RE 1:45										
Amounts of precipitation	—	—										
Cloudiness and other conditions					Mdy			Clear				→
Sunset: Time, Character,									5:50 Clear			
Moonset:									1:03a			
Sunshine (in tenths of hours)	0.3	0	0.7	1.0	1.0	.33 0.5						
Wind direction	SW	SW	W	W	NW	NW	NW	N	NE	NE	NE	NE
Wind movement	11	13	14	16	14	15	12	10	11	8	8	5
Maximum velocities (exceeding 20 miles) direction and time												

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
59	36	48	

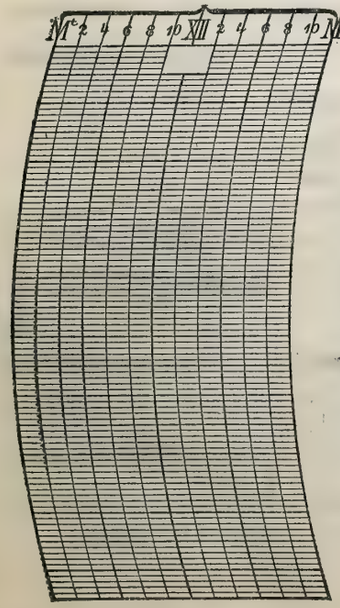
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0.1 ins.
Total precipitation, midnight to midnight, 0.1 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0–10),
Actual sunshine, hours, 6.3 Possible sunshine, hours, 12.0
Per cent of possible sunshine, 52
Prevailing wind direction, SW Total wind 278
Average hourly velocity, 11.6 Extreme velocity,
Maximum velocity, 21 Direction, W
Time began, 3:01 P. M.
Reduced barometer, 30.01 7 a. m. 30.00 7, p. m.
River gage, 9.5 feet
Relative humidity, 65 7 a. m. 60 7 p. m.

	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

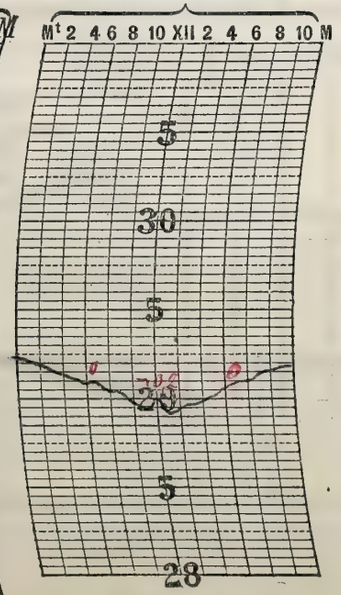
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 52.4 Wet temperature, 45.9
Dew-point, 39 R. humidity, 60 V. pressure, 23.7
Clouds: Amount, 10; Kind, Nb; Direction,
Velocity of clouds (miles per hour)

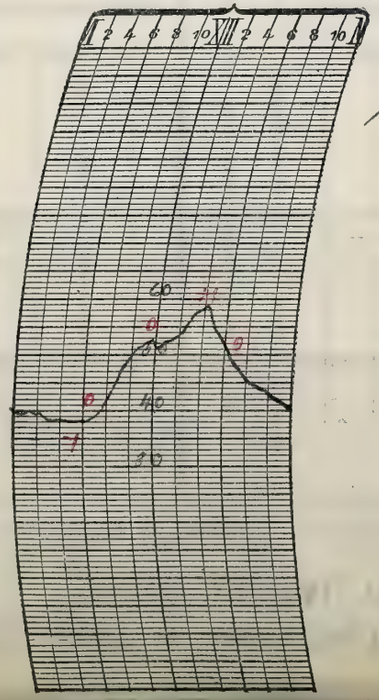
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Barometer left of 22 degrees observed from 2:00 a.m. until 7:00 p.m.

Special 1:00 p.m. (75th Meridian Time) observation called for by the Central Office.

A partly cloudy and rather pleasant day with moderate temperatures.

Prepared by [illegible]
Verified by [illegible]

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) _____, (Date) _____, 192

Time (local standard). 90th mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	29	28	28	27	35	32	34	34	37	39	42	46	50	53	53	54	54	54	53	52	50	50	48	45
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						← Cloudy →							← Pt. Cloudy →											
Sunshine (in tenths of hours)						0	0	0.3	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0						
Wind direction	NE	E	E	E	NE	E	E	E	E	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
Wind movement	6	7	5	6	11	9	12	9	9	8	7	8	6	7	9	8	8	6	7	6	5	9	7	4

Sunrise: Time, 5:48 Character, Cloudy
Moonrise: 12:15 P

Sunset: Time, 5:51 Character, Cloudy
Moonset: 1:50 a

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

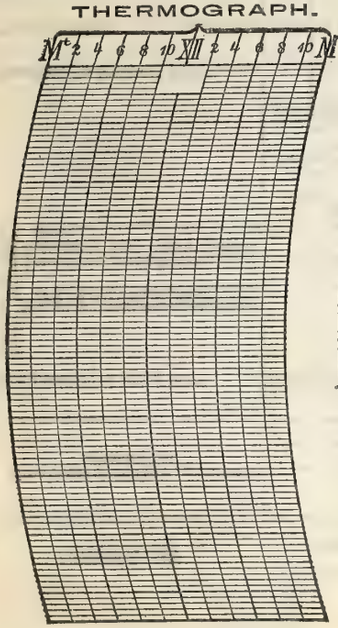
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
65	34	44	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase, _____
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 8.8 Possible sunshine, hours, 12.0
Per cent of possible sunshine, 73
Prevailing wind direction, SE Total wind 144
Average hourly velocity, 7.5 Extreme velocity, _____
Maximum velocity, 14 Direction, E
Time began, 6:45 a.m.
Reduced barometer, 30.24 7 a. m. 30.07 7 p. m.
River gage, 8.0 Feet
Relative humidity, 84 7 a. m. 58 7 p. m.

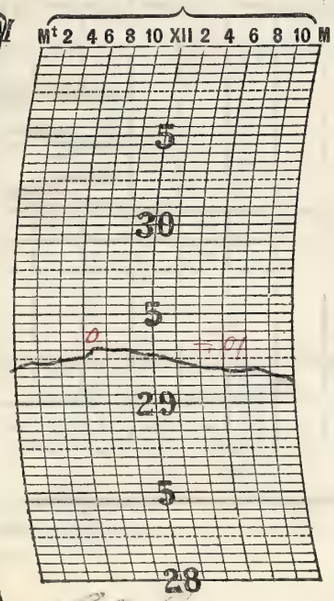
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 46.2 Wet temperature, 42.0
Dew-point, 37 R. humidity, 71 V. pressure, [illegible]
Clouds: Amount, 4; Kind, A St; Direction, NW
Velocity of clouds (miles per hour)

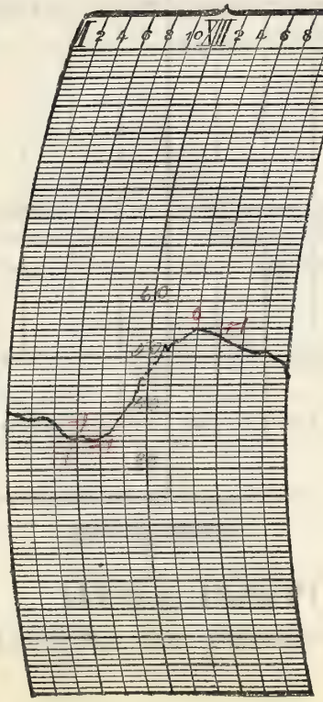
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A partly cloudy day with moderate temperatures and altogether very pleasant.
A lunar corona was observed from 6:10 p.m. until 8:45 p.m.

Prepared by _____
Verified by _____

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) ....., (*Day of week*) ....., (*Date*) ....., 192

Time (local standard). 90° mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	46	48	48	49	51	53	55	63	66	71	74	73
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						←		Cloudy				
	Sunrise: Time, 0346 Character, Cloudy											
	Moonrise: 1:24 P.											
Sunshine (in tenths of hours)						0	0.1	1.0	1.0	1.0	1.0	1.0
Wind direction	SE	SE	S	S	S	S	S	SW	SW	SW	SW	SW
Wind movement	4	6	8	7	10	10	10	15	18	17	23	28
Maximum velocities (exceeding 20 miles) direction and time												31 SW 1:45

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	75	76	74	74	72	72	71	69	70	70	71	72
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					Cloudy					Pt. Cloudy		
									Sunset: Time, 5:55 Character, Cloudy			
									Moonset: 2:34 a.			
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	0.7	0						
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	27	24	24	25	20	15	16	16	20	22	22	20
Maximum velocities (exceeding 20 miles) direction and time	33 SW 12:24	32 SW 1:02	32 SW 2:16									

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
76	45	60.0	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Cloudy Moon phase, ...

Average daily cloudiness (0–10), 8

Actual sunshine, hours, 9.8 Possible sunshine, hours, 12.1

Per cent of possible sunshine, 81

Prevailing wind direction, SW Total wind 402

Average hourly velocity, 17.0 Extreme velocity, 35

Maximum velocity, 33 Direction, SW

Time began, 12:24 p. m.

Reduced barometer, 29.95 7 a. m. 29.86 7 p. m.

River gage, 6.7 Fall

Relative humidity, 70 7 a. m. 54 7 p. m.

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

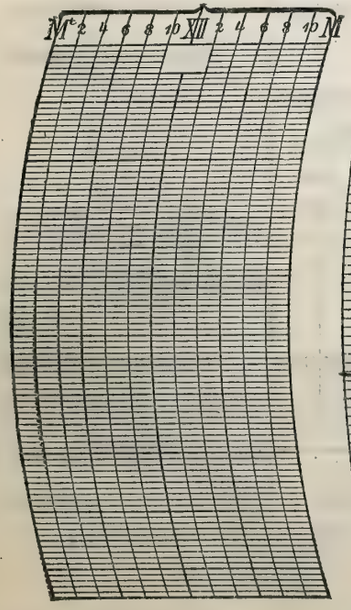
Dry temperature, 74.8 Wet temperature, 64.6

Dew-point, 58 R. humidity, 56 V. pressure, .482

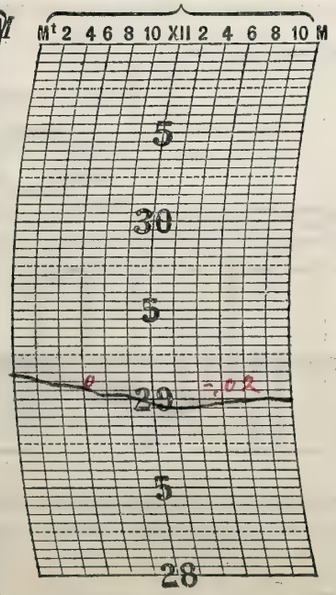
Clouds: Amount, 8; Kind, Ast; Direction, SW

Velocity of clouds (miles per hour)

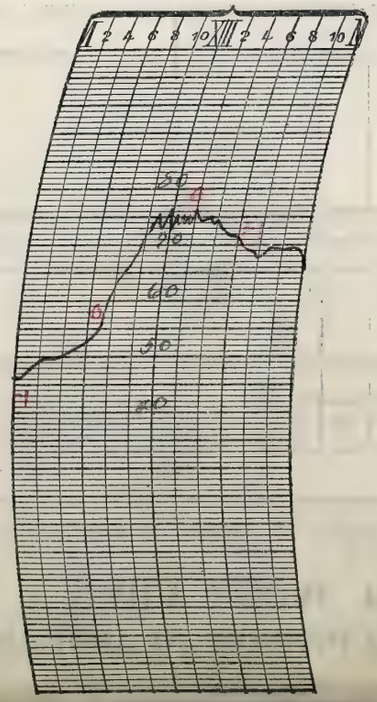
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A cloudy and exceedingly warm day for the season with a moderate amount of sunshine.

Prepared by .....

Verified by .....

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) _____, (Date) _____, 192

Time (local standard). 90" mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	63	64	63	64	69	[illegible]	64	66	69	71	73	74
State of weather: Nature of precipitation and time of beginning and ending			RB 2:03	RE DNA								
Amounts of precipitation			—	—	—							
Cloudiness and other conditions	← Pl Cloudy →					← Cloudy → Pl Cldy → Cloudy →						
Sunrise: Time, Character,	5:44 Cloudy											
Moonrise:	2:34 P											
Sunshine (in tenths of hours)						0	0	0.4	1.0	1.0	1.0	1.0
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	14	18	13	14	16	16	17	20	24	27	24	26
Maximum velocities (exceeding 20 miles) direction and time										32 SW 9:11		32 SW 11:50

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	74	73	73	73	73	72	71	69	68	68	68	67
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	→ Pl Cloudy →						→ Clear →					
Sunset: Time, Character,									5:53 Cloudy			
Moonset:									5:39 A			
Sunshine (in tenths of hours)	0.8	0	0.5	0.2	1.0	0.5						
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	W
Wind movement	25	22	21	19	24	22	22	22	22	22	22	21
Maximum velocities (exceeding 20 miles) direction and time	30 SW 12:21											

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
75	59	67	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .24 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, .24 inches.

Character of day, Cloudy Moon phase, _____

Average daily cloudiness (0-10), 8

Actual sunshine, hours, 7.4 Possible sunshine, hours, 12.2

Per cent of possible sunshine, 61

Prevailing wind direction, SW Total wind 424

Average hourly velocity, 20.6 Extreme velocity, 32 47.4

Maximum velocity, 32 Direction, SW

Time began, 11:50 a.m.

Reduced barometer, 29.92 7 a. m. 29.96 7 p. m.

River gage, 5.7 Feet

Relative humidity, 87 7 a. m. 70 7 p. m.

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

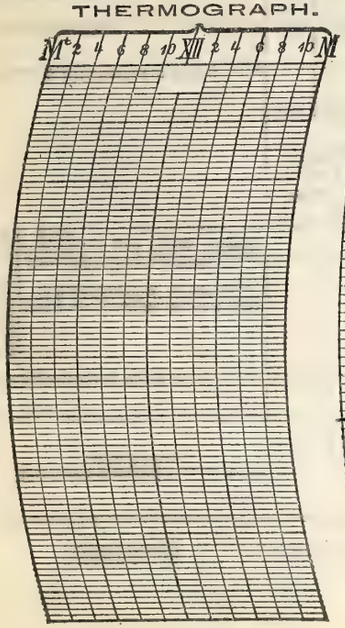
Dry temperature, 74.0 Wet temperature, 67.0

Dew-point, 64 R. humidity, 70 V. pressure, .585

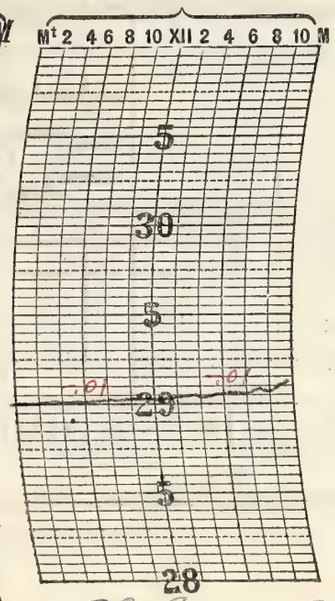
Clouds: Amount, 4; Kind, Cu; Direction, SW

Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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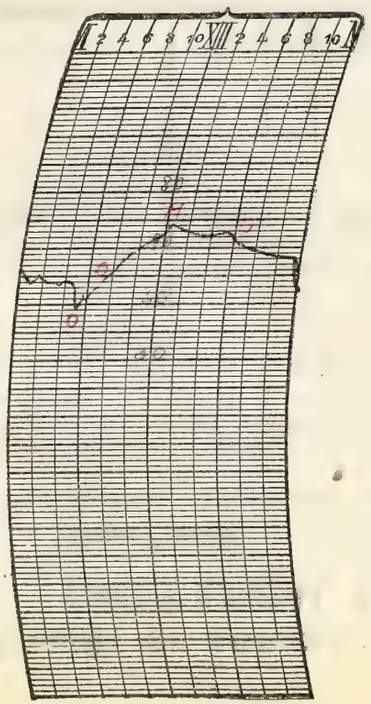


NOTES.

A cloudy and rather warm day with moderate westerly winds. Vernal equinox (spring commences) 9:51 p.m.

Prepared by _____

Verified by _____

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) _____, (*Day of week*) _____, (*Date*) _____, 192

Time (local standard). 90th mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	59	57	54	52	51	51	50	45	43	42	42	42
State of weather: Nature of precipitation and time of beginning and ending			HB DNA								RE 10:25	
Amounts of precipitation			—	—	—	—	—	—	—	—	—	
Cloudiness and other conditions						←			Cloudy			
Sunrise: Time, 5:43 Character, Cloudy												
Moonrise: 3:46 p.												
Sunshine (in tenths of hours)						0	0	0	0	0	0	0.8
Wind direction	W	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	12	12	14	12	12	10	11	15	16	15	15	15

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	42	43	42	42	41	40	38	36	35	33	32	31
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions			Cloudy			→	Pt. Cloudy	→	Clear	→	Pt. Cloudy	→
Sunset: Time, 7:54 Character, Cloudy												
Moonset: 4:07 a.												
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0						
Wind direction	NW	NW	NW	NW	NW	NW	NW	NW	N	N	N	N
Wind movement	15	14	16	16	14	12	10	11	10	10	9	6

Maximum velocities (exceeding 29 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
62	31	46	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .12 ins.; to 7 p. m., .08 ins.

Total precipitation, midnight to midnight, .20 inches.

Character of day, Pt. Cloudy Moon phase, _____

Average daily cloudiness (0-10), _____

Actual sunshine, hours, 5.8 Possible sunshine, hours, 10.2

Per cent of possible sunshine, 48

Prevailing wind direction, NW Total wind 200

Average hourly velocity, 12.1 Extreme velocity, 23

Maximum velocity, 21 Direction, NW

Time began, 11:37 a.m.

Reduced barometer, 30.22 7 a. m. [illegible] 7 p. m.

River gage, 5.3 Feet

Relative humidity, 94 7 a. m. [illegible] 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

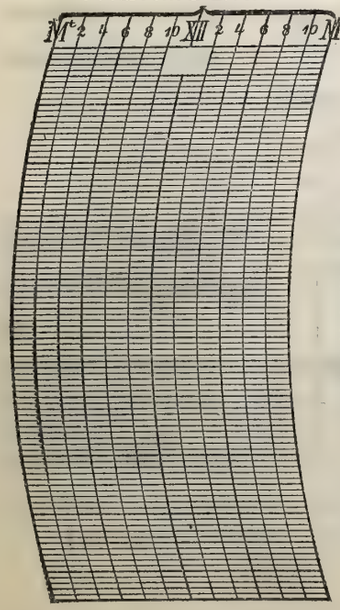
Dry temperature, 40.4 Wet temperature, 36.2

Dew-point, 31 R. humidity, 67 V. pressure, .192

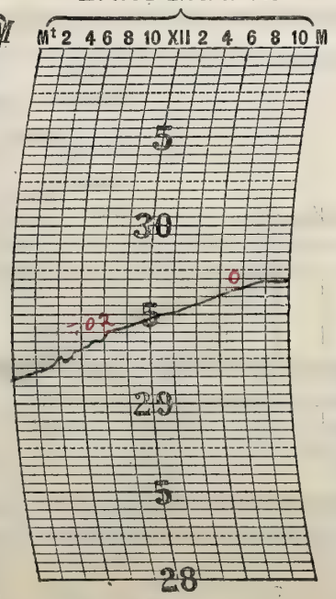
Clouds: Amount, 8/8; Kind, Strat.; Direction, NW

Velocity of clouds (miles per hour)

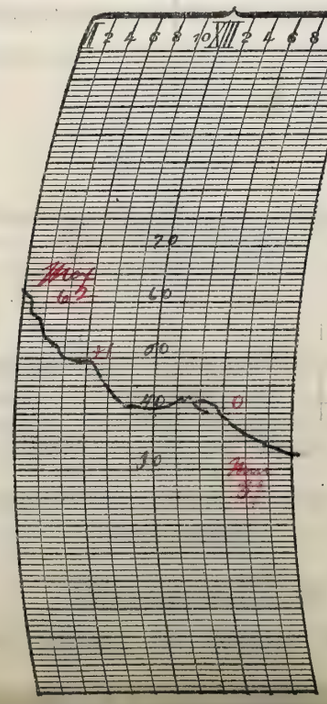
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Solar halo of 22° began at 2:20 p.m. and ended 3:15 p.m.

A cloudy day with moderate temperature.

Lunar halo of 22 degrees observed from 7:45 p.m. until 10:30 p.m.

Prepared by _____

Verified by _____

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) _____, (*Day of week*) _____, (*Date*) _____, 192

Time (local standard). 90 mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	31	31	29	29	28	28	29	30	30	30	31	35	35	35	37	35	34	33	32	31	31	30	28	28
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						←	Pt. Cloudy	×		Cloudy		×	Pt. Cloudy					×	Cloudy	×	Pt. Cloudy	×	Clear	→
Sunrise: Time, 5:41 Character, Cloudy																					Sunset: Time, 5:55 Character, Cloudy			
Moonrise: 4:56a																					Moonset: 4:42a			
Sunshine (in tenths of hours)						0	0.3	0.8	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	0						
Wind direction	N	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	E	E	E	E	E	E	E	E	E
Wind movement	8	9	10	9	10	11	15	16	15	16	14	13	13	15	14	15	14	13	12	13	12	8	8	5
Maximum velocities (exceeding 27 miles) direction and time																								

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
37	28	32	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt. Cloudy Moon phase, Full 2:12a

Average daily cloudiness (0-10), 6

Actual sunshine, hours, 9.0 Possible sunshine, hours, 12.3

Per cent of possible sunshine, 74

Prevailing wind direction, N.E. Total wind 288

Average hourly velocity, 12.0 Extreme velocity, 20

Maximum velocity, 19 Direction, N.E.

Time began, 7:07 a.m.

Reduced barometer, 30.71 7 a. m. 30.21 7 p. m.

River gage, 5.1 Feet

Relative humidity, 88 7 a. m. 64 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

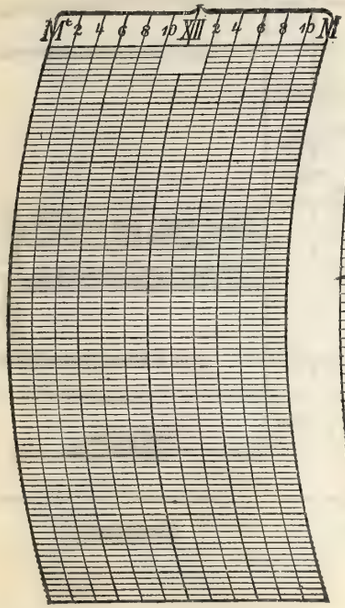
Dry temperature, 33.8 Wet temperature, 30.3

Dew-point, 25 R. humidity, 67 V. pressure, .120

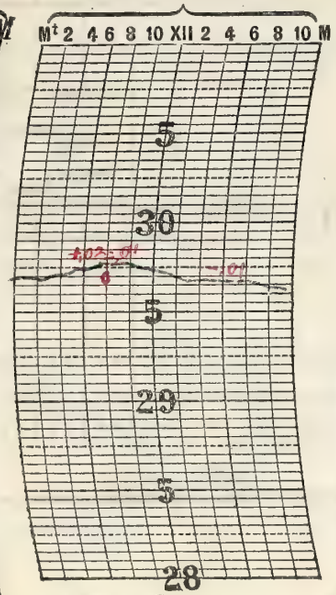
Clouds: Amount, 5; Kind, Stratus; Direction, N.E.

Velocity of clouds (miles per hour)

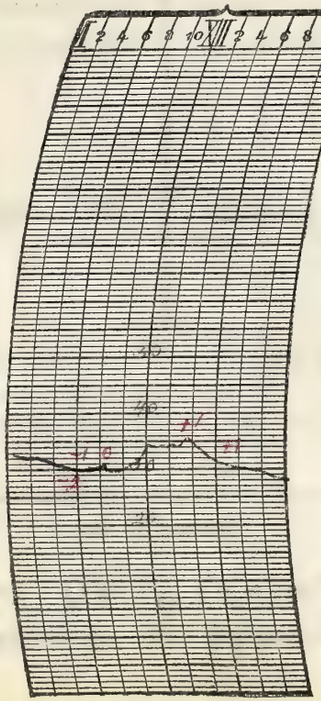
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A fairly cloudy and somewhat cold day with and abundance of sunshine and easterly winds of moderate force.

Prepared by _____

Verified by _____

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) [illegible], (Date) [illegible], 192

Time (local standard). [illegible] mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	27	27	26	26	27	28	[illegible]	32	35	38	39	[illegible]
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						←			Clear			
Sunshine (in tenths of hours)						0	0.7	1.0	1.0	1.0	1.0	1.0
Wind direction	E	E	E	E	E	E	E	E	E	E	E	E
Wind movement	6	6	7	7	6	8	7	7	8	9	9	10
Maximum velocities (exceeding [illegible] miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	45	48	49	49	49	49	48	48	44	42	41	40
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												→
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.9	0	0						
Wind direction	E	E	E	E	E	E	E	E	E	E	E	E
Wind movement	9	8	8	7	7	6	6	8	9	11	11	8
Maximum velocities (exceeding [illegible] miles) direction and time												

Sunrise: Time, 5:32 Character, Clear
Moonrise: 6:05 P.

Sunset: Time, 5:56 Character, Cloudy
Moonset: 5:17 A.

	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

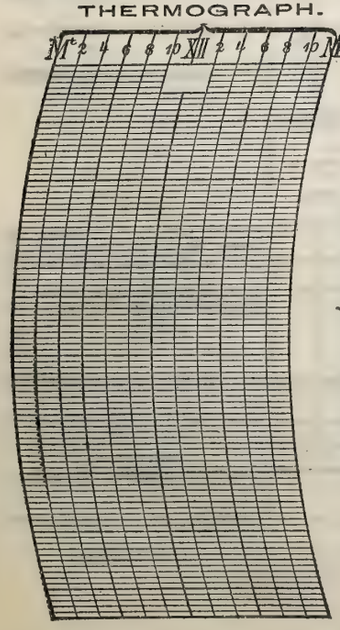
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
50	36	38	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy. Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 10.2 Possible sunshine, hours, 12.1
Per cent of possible sunshine, 83
Prevailing wind direction, E Total wind 188
Average hourly velocity, 7.8 Extreme velocity, 13
Maximum velocity, 13 Direction, E
Time began, 10:46 p.m.
Reduced barometer, 30.47 2 a. m. 30.17 7 p. m.
River gage, 4.9 Feet
Relative humidity, 71 7 a. m. [illegible] p. m.

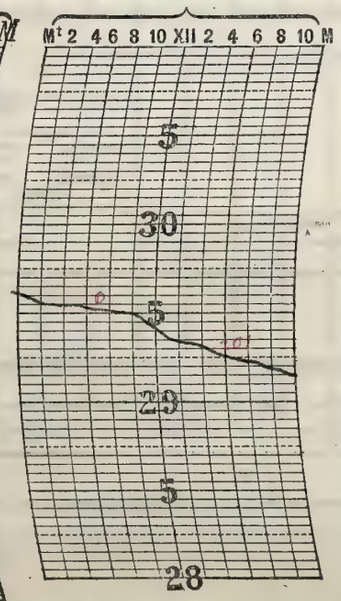
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 43.0 Wet temperature, 32.0
Dew-point, 29 R. humidity, 56 V. pressure, .157
Clouds: Amount, 1; Kind, A St; Direction, NW
Velocity of clouds (miles per hour)

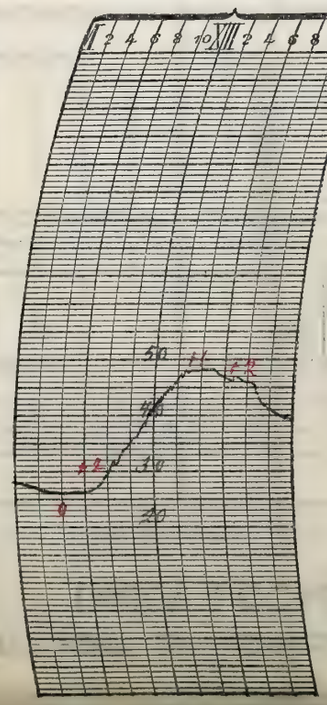
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Solar halo of 22 degree radius began about 2:20 p.m. and ended at 3:07 p.m.

A partly cloudy day with moderate temperatures, and abundance of bright, warm sunshine and light easterly winds.

Prepared by C.A.S.
Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) _____, (Date) _____, 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	40	39	38	38	39	41	42	44	49	51	53	56
State of weather: Nature of precipitation and time of beginning and ending				RB DNA								RE 11:05
Amounts of precipitation				—	—	—	—	—	—	—	—	—
Cloudiness and other conditions	← Cloudy											
Sunrise: Time, Character,	5:38 Cloudy											
Moonrise:	7:14 p.m.											
Sunshine (in tenths of hours)						0	0	0	0	0	0	0.3
Wind direction	E	E	E	E	E	E	E	SE	SE	S	S	S
Wind movement	9	6	6	7	6	6	6	3	6	8	9	15

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	57	57	57	58	58	54	53	51	51	49	49	48
State of weather: Nature of precipitation and time of beginning and ending		RB 1:20	RE 2:50		RB 4:10 RE 4:30							
Amounts of precipitation		—	—		—							
Cloudiness and other conditions	Cloudy											
Sunset: Time, Character,									5:57 Cloudy			
Moonset:									3:55 a.m.			
Sunshine (in tenths of hours)	0.6	0.3	0.6	0.9	0.3	0.1						
Wind direction	S	SW	SW	SW	SW	W	W	W	W	SW	W	W
Wind movement	17	22	26	24	25	28	27	24	25	22	19	21
Maximum velocities (exceeding 50 miles) direction and time				32 SW 3:40	34 SW 4:52	35 W 5:00	31 SW 6:05	30 SW 7:22				

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
59	38	48	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .08 ins.; to 7 p. m., .56 ins.
Total precipitation, midnight to midnight, .64 inches.
Character of day, Cloudy Moon phase, _____
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 2.1 Possible sunshine, hours, 10.2
Per cent of possible sunshine, 25
Prevailing wind direction, E Total wind 377
Average hourly velocity, 15.5 Extreme velocity, 40
Maximum velocity, 35 Direction, W
Time began, 5:30 p.m.
Reduced barometer, 29.85 a. m. 22 p. m.
River gage, 4.9 Feet
Relative humidity, 96 a. m. 76 p. m.

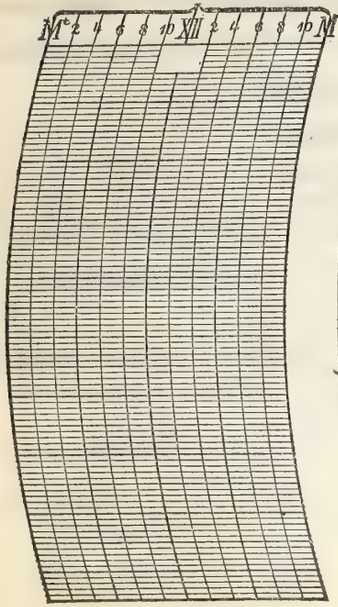
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

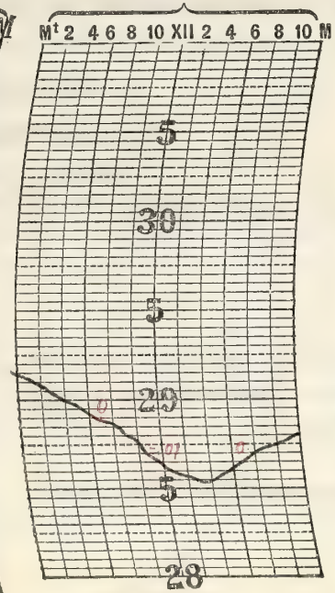
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 56.0 Wet temperature, 54.0
Dew-point, 53 R. humidity, 88 V. pressure, .402
Clouds: Amount, 9; Kind, Stratus; Direction, S
Velocity of clouds (miles per hour)

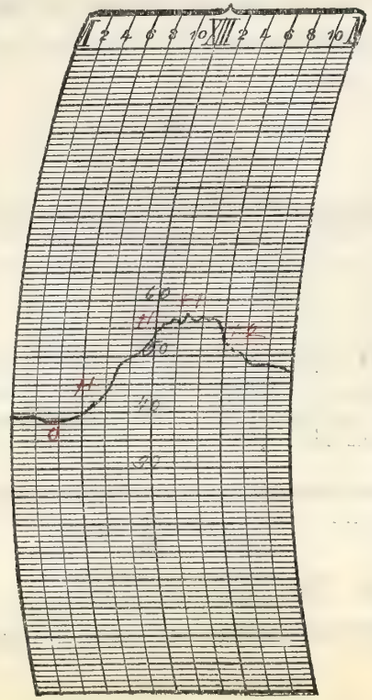
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Special 1:00 p.m. (75th Meridian Time) observation called for the Central Office. A cloudy day with moderate temperatures and light showers of rain.

Prepared by _____
Verified by F. M. Kimmich

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, *(Day of week)* _____, *(Date)* _____, 192

Time (local standard). ___ mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	48	47	47	46	45	45	44	49	52	56	57	61
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Clear				× Cldy		×
Sunshine (in tenths of hours)						.40 0	.3 0.5	1.0	1.0	1.0	1.0	1.0
Wind direction	SW	W	W	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	20	19	21	12	14	10	10	12	11	11	13	15

Sunrise: Time, 5:36 Character, Clear
Moonrise: 8:20 a

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	61	63	64	63	63	62	61	59	63 RB 8:40	59	59	58
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation									—	—	—	—
Cloudiness and other conditions						Cloudy						×
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	0.6	0						
Wind direction	S	S	S	S	S	S	SE	SE	SE	S	S	S
Wind movement	18	15	14	14	9	8	8	4	6	18	14	12

Sunset: Time, 6:20 a Character, Cloudy
Moonset: 6:20 a

Maximum velocities (exceeding ___ miles) direction and time

Excessive precipitation, accumulated amounts

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

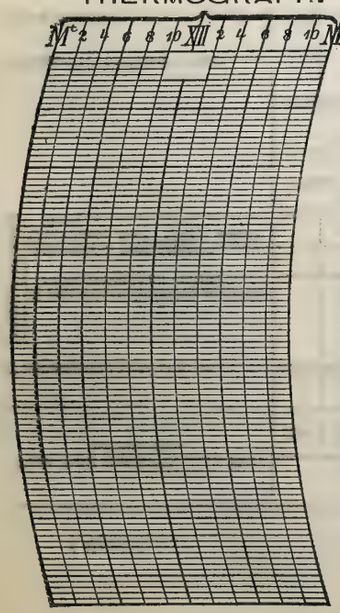
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
65	43	5[illegible]	[illegible]

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, .01 inches.
Character of day, Pt. Cloudy Moon phase, _____
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 10.8 Possible sunshine, hours, 12.[illegible]
Per cent of possible sunshine, 87
Prevailing wind direction, SW Total wind 300
Average hourly velocity, 12.5 Extreme velocity, 22
Maximum velocity, 27 Direction, [illegible]
Time began, 9:00 p. m.
Reduced barometer, 29.91 7 a. m. 29.87 7 p. m.
River gage, 10.1 ft. 8 a. m.
Relative humidity, 88 7 a. m. 0 p. m.

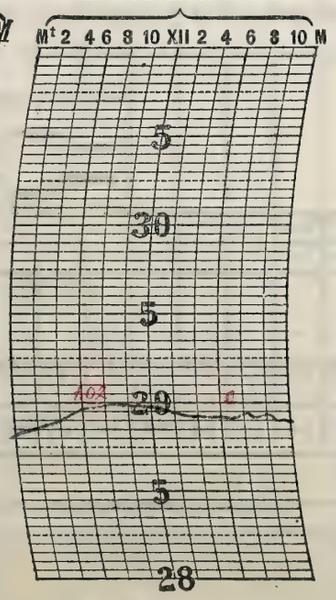
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 62.0 Wet temperature, 57.0
Dew-point, 43 R. humidity, 50 V. pressure, [illegible]
Clouds: Amount, 8; Kind, N.St.; Direction, [illegible]
Velocity of clouds (miles per hour) _____

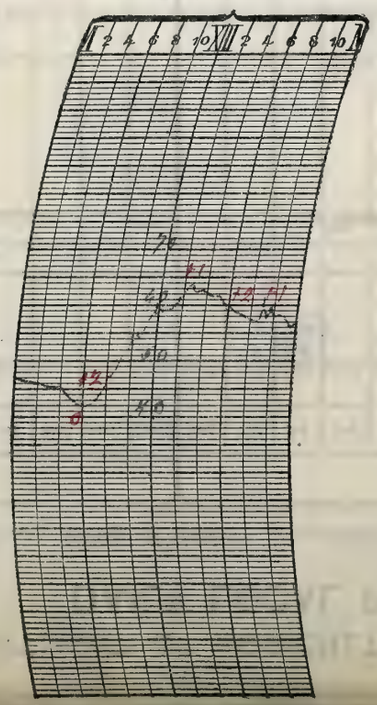
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Prepared by _____
Verified by P. McAuliffe

8—486

φ Estimated

NOTES.

A partly cloudy day with moderate temperature.
Thunderstorm moving from the west began at 10:30 p.m. and continued up to midnight this date.

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) ....., (*Day of week*) ....., (*Date*) ....., 192

Time (local standard) 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	57	55	55	53	51	51	53	55	57	61	67	70
State of weather: Nature of precipitation and time of beginning and ending			RE DNA									
Amounts of precipitation												
Cloudiness and other conditions						←		Cloudy				
Sunrise: Time, 5:34 Character, Cloudy												
Moonrise: 9:28 P.												
Sunshine (in tenths of hours)						0	0	0	0	0.7	1.0	1.0
Wind direction	S	SW	NW	NE	NE	E	E	E	S	SE	E	SW
Wind movement	7	5	3	5	6	6	4	3	6	6	3	5

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	71	70	71	72	71	69	68	67	66	67	67	67
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions			Cloudy				→ Pt Cloudy					
Sunset: Time, 8:09 Character, Cloudy												
Moonset: 2:58 A												
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.3						
Wind direction	S	S	S	S	S	S	SE	SE	S	S	SW	S
Wind movement	13	17	17	12	15	10	8	11	11	16	12	20

Maximum velocities (exceeding 29 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
72	51	62	

Total depth of snow for 24 hours ending 7 p. m., ... inches.

Snow, sleet, and hail on ground 7 p. m., 2 inches.

Total snowfall, midnight to midnight, ... inches.

Precipitation to 7 a. m., 0.2 ins.; to 7 p. m., ... ins.

Total precipitation, midnight to midnight, ... inches.

Character of day, Cloudy Moon phase, ...

Average daily cloudiness (0-10), 9

Actual sunshine, hours, 8.2 Possible sunshine, hours, 12

Per cent of possible sunshine, 63

Prevailing wind direction, ... Total wind .....

Average hourly velocity, 9.4 Extreme velocity, ...

Maximum velocity, 23 Direction, SW

Time began, 10:44 p. m.

Reduced barometer, 29.24 7 a. m. 29.20 7 p. m.

River gage, 11.0 Fall

Relative humidity, 80 7 a. m. 84 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

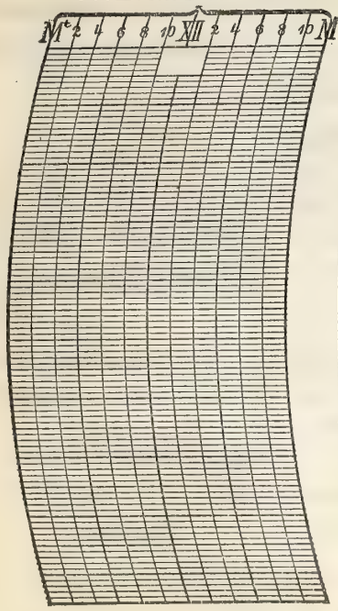
Dry temperature, 68.8 Wet temperature, 59

Dew-point, 54 R. humidity, 55 V. pressure, ...

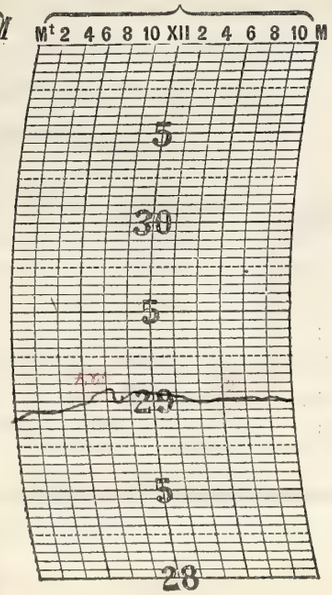
Clouds: Amount, 8; Kind, ACu; Direction, W

Velocity of clouds (miles per hour) .....

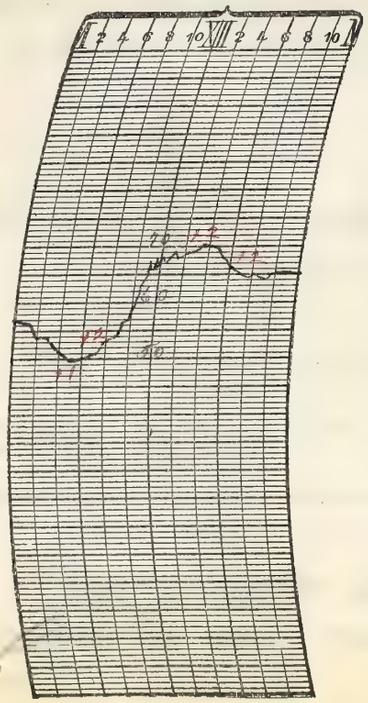
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

* Estimated.

The thunderstorm which came on the night of the 25th crossed this state during night.

A cloudy day with moderate temperatures and high easterly winds.

Cold wave warning received at 9:30 p.m.

Prepared by .....

Verified by C. M. Donovan

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) Sunday, (Date) [illegible], 192

Time (local standard). [illegible] mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	67	67	67	66	66	66	[illegible]	58	59	60	60	60
State of weather: Nature of precipitation and time of beginning and ending						24 6:50						
Amounts of precipitation						—	—	—	—	—	—	—
Cloudiness and other conditions						← Cloudy						
Sunrise: Time, Character,	5:33 Cloudy											
Moonrise:	10:23 p.											
Sunshine (in tenths of hours)						6	0	0	0	0.1	0.2	0
Wind direction	S	S	SW	S	S	S	SW	SW	SW	S	S	SW
Wind movement	19	20	22	23	22	25	13	12	11	9	13	13

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	60	60	58	53	47	45	44	42	42	40	39	37
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation	—	—	—	—	—	—	—	—	—	—	—	—
Cloudiness and other conditions				← Cloudy								
Sunset: Time, Character,									6:00 Cloudy			
Moonset:									2:49 a.			
Sunshine (in tenths of hours)	0	0	0.2	0	0	0						
Wind direction	SW	SW	SW	W	NW	NW	NW	N	N	NW	N	NW
Wind movement	13	11	11	10	12	14	15	14	12	12	10	11

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
67	37	[illegible]	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .22 ins.; to 7 p. m., [illegible] ins.
Total precipitation, midnight to midnight, [illegible] inches.
Character of day, Cloudy Moon phase, [illegible]
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0.5 Possible sunshine, hours, [illegible]
Per cent of possible sunshine, 4
Prevailing wind direction, SW Total wind [illegible]
Average hourly velocity, [illegible] Extreme velocity, [illegible]
Maximum velocity, 28 Direction, S
Time began, 4:58 a. m.
Reduced barometer, 29.96 7 a. m. [illegible] 7 p. m.
River gage, 9.7 Fall [illegible]
Relative humidity, 94 7 a. m. 93 7 p. m.

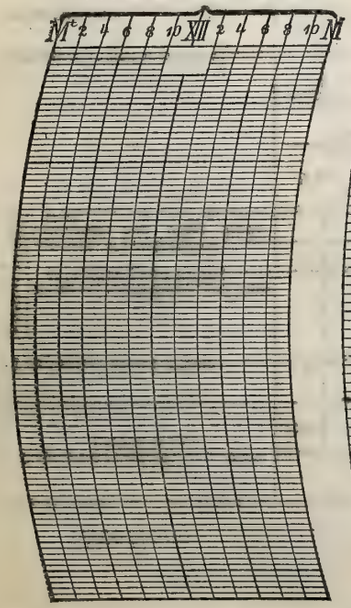
	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

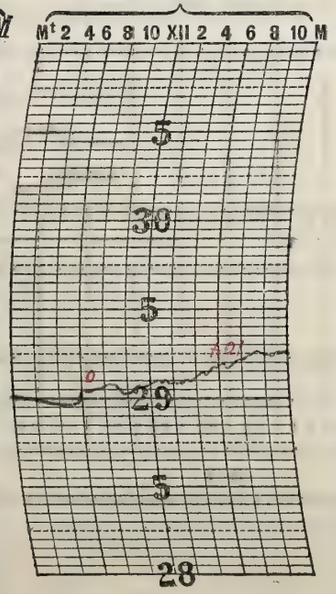
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 60.5 Wet temperature, 59.0
Dew-point, 58 R. humidity, 92 V. pressure, [illegible]
Clouds: Amount, 10; Kind, Nb; Direction, SW
Velocity of clouds (miles per hour)

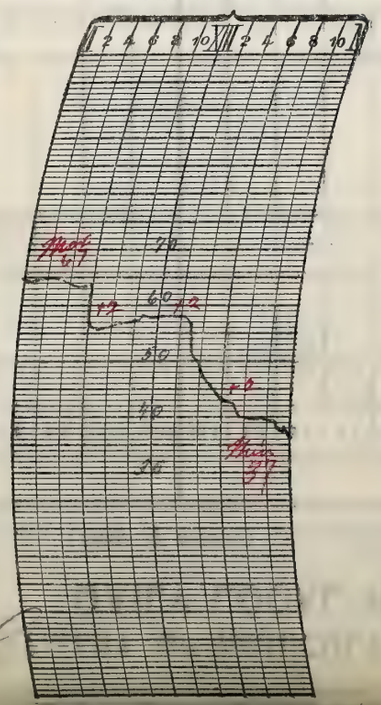
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A thunderstorm moving from the southwest began at 5:50 a.m. and ended at 9:45 a.m.

Cold wave warning was received at 10:30 a.m. The warning indicated a fall of 30° to 40° in 36 hours. The information was distributed by phone.

A cloudy day with moderate temperature and rain falling throughout the daylight hours and into the early night.

Frost warning was issued at 6:15 p.m. Interests advised river will reach 16 feet by Tuesday morning.

River stage at 6:00 p.m. – 12.5 feet.

Prepared by [illegible]

Verified by [illegible]

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) ....., (Day of week) ....., (Date) ....., 192

Time (local standard). ..... mer. normal time.	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	37	34	33	32	30	30	30	29	28	28	28	27	27	26	26	25	24	23	22	21	21	21	20	20
State of weather. Nature of precipitation and time of beginning and ending										S M B 9:40							S M E 4:40							
Amounts of precipitation																								
Cloudiness and other conditions						←		Cloudy					×			Pt. Cloudy							× Clear	→
Sunrise: Time, 5:31 Character, Cloudy																					Sunset: Time, 6:01 Character, Cloudy			
Moonrise: 11:18 p																					Moonset: 8:35 a			
Sunshine (in tenths of hours)						0	0	0	0.9	1.0	1.0	1.0	1.0	1.0	1.0	0.9	0.2	0.2	0					
Wind direction	NW	N	N	NW	NW	NW	NW	N	NW	NW	N	NW	NW	NW	N	NW	NW	NW	NW	NW	N	N	N	N
Wind movement	14	13	22	19	18	18	16	20	22	22	19	22	18	21	17	18	16	15	14	12	9	7	7	6
Maximum velocities (exceeding ..... miles) direction and time																								

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
37	20	28	

Total depth of snow for 24 hours ending 7 p. m., T inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, T inches.

Precipitation to 7 a. m., .01 ins.; to 7 p. m., ... ins.

Total precipitation, midnight to midnight, ... inches.

Character of day, Pt. Cloudy Moon phase, ...

Average daily cloudiness (0-10), 7

Actual sunshine, hours, 8.2 Possible sunshine, hours, 12.5

Per cent of possible sunshine, 66

Prevailing wind direction, NW Total wind 281

Average hourly velocity, 15.9 Extreme velocity, 18

Maximum velocity, 26 Direction, NW

Time began, 11:16 p.m.

Reduced barometer, 30.[illegible] a. m. 30.[illegible] p. m.

River gage, 16.8 Feet

Relative humidity, [illegible] a. m. [illegible] p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

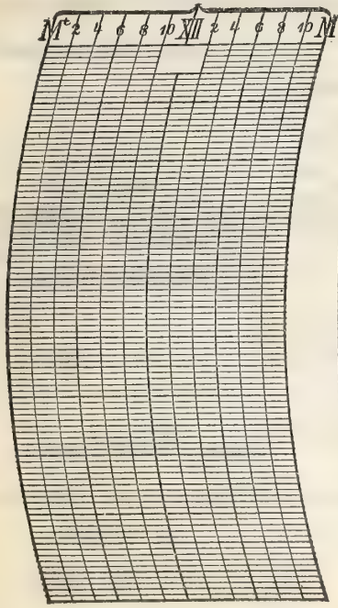
Dry temperature, 28.0 Wet temperature, 26.[illegible]

Dew-point, 22 R. humidity, 77 V. pressure, .63

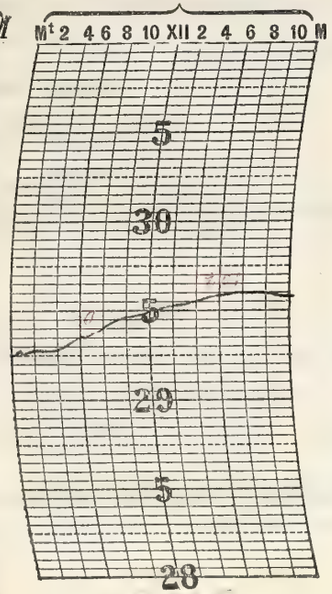
Clouds: Amount, 9; Kind, Strat.; Direction, NW

Velocity of clouds (miles per hour) .....

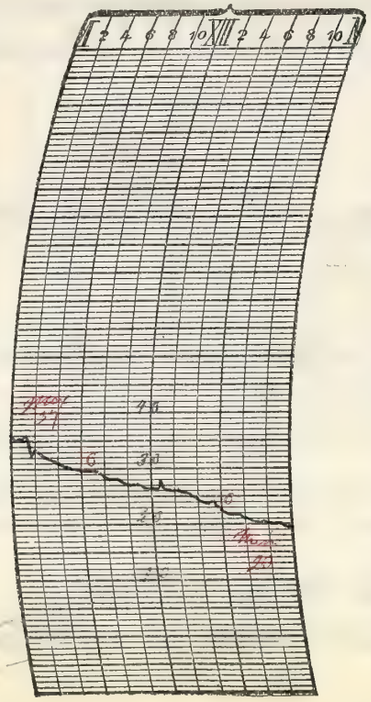
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Local interests advised river will crest about 17 feet on next day morning.

Special 4:00 Mean (75th Meridian) Time observation added per by the Central Office.

Occasional snow showers occurred throughout the day which as a whole was partly cloudy and cold with a fair amount of sunshine and moderate westerly winds.

River stage at 14:00 p.m. 16.8 ft.

Prepared by .....

Verified by .....

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) [illegible], (Date) [illegible], 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	18	18	18	18	18	[illegible]	[illegible]	23	24	27	29	31
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	← Clear →					←	Clear			x Clody	x Clear	
Sunrise: Time, 5:29 Character, Clear												
Moonrise: —												
Sunshine (in tenths of hours)						0.2 0	0.3 0.7	1.0	1.0	1.0	1.0	1.0
Wind direction	N	N	N	N	N	NE	NE	SE	SE	SE	SE	SE
Wind movement	4	4	4	3	4	5	3	4	5	6	9	9
Maximum velocities (exceeding 50 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	34	36	38	40	39	37	37	35	35	34	33	32
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Clear →											
Sunset: Time, 6:02 Character, Clear												
Moonset: 9:49 a												
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.5 0.5	0.3 0					
Wind direction	S	S	S	SE	SE	SE	SE	SE	SE	SE	SE	SE
Wind movement	9	9	10	10	9	8	6	3	5	4	3	5
Maximum velocities (exceeding 50 miles) direction and time												

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
40	17	28	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 12.6 Possible sunshine, hours, 12.6
Per cent of possible sunshine, 100
Prevailing wind direction, SE Total wind 144
Average hourly velocity, 5.8 Extreme velocity, 10
Maximum velocity, 12 Direction,
Time began, 3:44 p.m.
Reduced barometer, 30.06 7 a. m. 30.0 p. m.
River gage, 16.8 Feet.
Relative humidity, 78 7 a. m. 56 7 p. m.

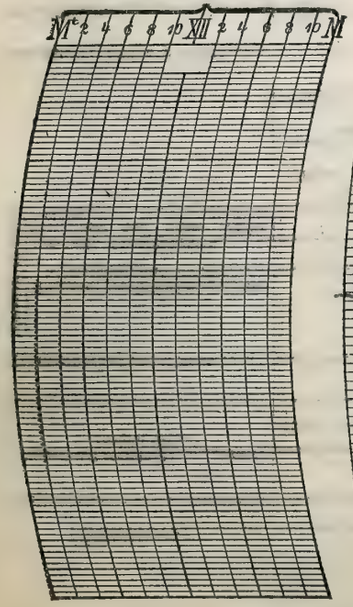
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

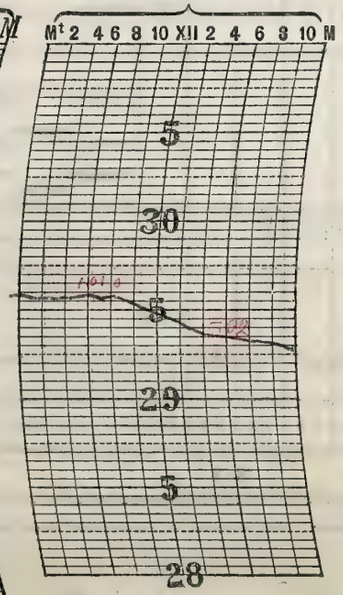
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 31.0 Wet temperature, 25.0
Dew-point, 11 R. humidity, 62 V. pressure, [illegible]
Clouds: Amount, 1; Kind, Cirr.; Direction, SE
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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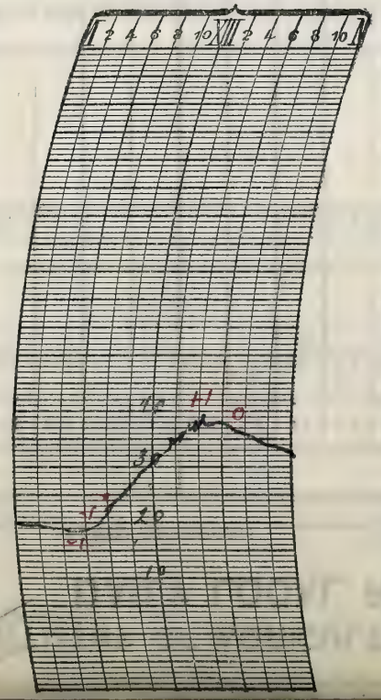


NOTES.

A clear and invigorating day with rising temperature and an abundance of bright warm sunshine.

The flood in the Monongahela River crested at a stage of 16.8 feet at 9 a.m. and began to recede slowly.

Prepared by [illegible]

Verified by [illegible]

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) _____, (Date) _____, 192

Time (local standard). 90° mer. normal time.

	A. M.												P. M.											
	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	32	31	31	31	31	31	37	39	44	48	53	54	57	58	58	59	58	56	56	55	54	52	51	51
State of weather. Nature of precipitation and time of beginning and ending																				HB 9:55 HE 7:56				
Amounts of precipitation																				T				
Cloudiness and other conditions						←			Clear					×		Pt. Cloudy				×	Cloudy			→

Sunrise: Time, 5:28 Character, Clear

Moonrise: 12:08a

Sunset: Time, 6:03 Character, Cloudy

Moonset: 10:08a

Sunshine (in tenths of hours)						.53 0	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	0					
Wind direction	SE	SE	SE	SE	SE	SE	S	S	SW	SW	SW	SW	SW	S	SW	SW	S	SW	SW	SW	SW	SW	SW	SW
Wind movement	6	9	9	6	5	4	6	11	14	15	17	20	22	23	23	18	16	9	7	8	10	7	9	12
Maximum velocities (exceeding 20 miles) direction and time																								

	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
59	31	45	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Clear Moon phase, _____

Average daily cloudiness (0–10), 3

Actual sunshine, hours, 11.7 Possible sunshine, hours, 11.7

Per cent of possible sunshine, 83

Prevailing wind direction, SW Total wind 2.84

Average hourly velocity, 11.8 Extreme velocity, 24

Maximum velocity, 27 Direction, SW

Time began, 2:00p.m.

Reduced barometer, 30.14 7 a. m. 29.91 7 p. m.

River gage, 16.3 Fall

Relative humidity, 77 7 a. m. 44 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

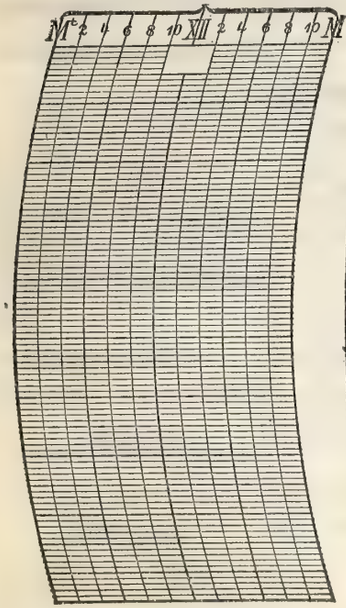
Dry temperature, 55.0 Wet temperature, 45.0

Dew-point, 24 R. humidity, 44 V. pressure, .195

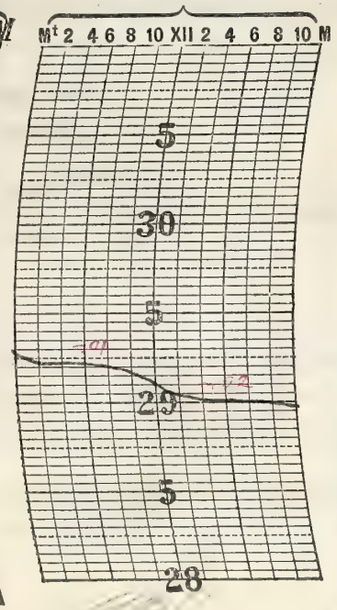
Clouds: Amount, 2; Kind, Cu; Direction, SW

Velocity of clouds (miles per hour)

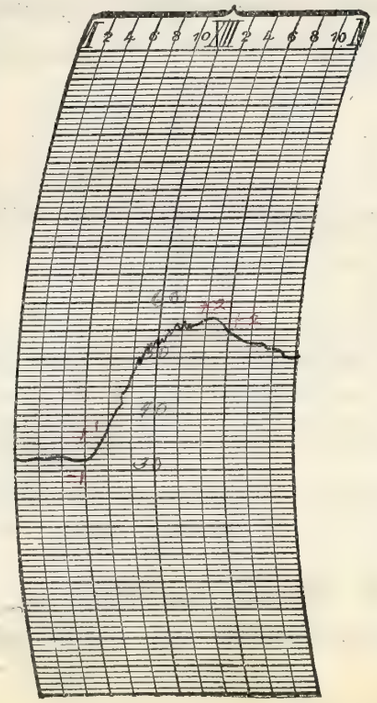
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A clean day with moderately high temperature and light to moderate southerly winds.

Prepared by _____

Verified by A. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, *(Day of week)* _____, *(Date)* _____, 192

Time (local standard). ____ mer. normal time.	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	50	50	49	45	42	40	38	37	39	41	44	46
State of weather: Nature of precipitation and time of beginning and ending				RB 3:55				RS 7:10				
Amounts of precipitation				—	—	—	—	—				
Cloudiness and other conditions						—	—	Cloudy			x-Pt	Cloudy
Sunrise: Time, 5:26 Character, Cloudy												
Moonrise: 12:53 a												
Sunshine (in tenths of hours)						0	0	0	0.4	1.0	1.0	1.0
Wind direction	SW	SW	SW	NW	NW	NW	NW	NW	NW	NW	N	N
Wind movement	12	14	12	[illegible]	11	10	13	15	18	15	[illegible]	[illegible]
Maximum velocities (exceeding 22 miles) direction and time												

Time (local standard). ____ mer. normal time.	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	47	48	46	46	44	42	40	39	36	35	33	33
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Cloudy		x-Cloudy		x-Pt	Cloudy		Clear				
Sunset: Time, 6:04 Character, Cloudy												
Moonset: 10:10 a												
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.4	0					
Wind direction	NW	NW	NW	NW	NW	NW	NW	N	NW	NW	NW	NW
Wind movement	16	19	18	18	16	12	8	5	7	9	7	8
Maximum velocities (exceeding 22 miles) direction and time												

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
51	32	42	

Total depth of snow for 24 hours ending 8 p. m., 0 inches.

Snow, sleet, and hail on ground 8 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Cloudy Moon phase, 4.9-3.130.7

Average daily cloudiness (0-10), 8

Actual sunshine, hours, 8.6 Possible sunshine, hours, 12.6

Per cent of possible sunshine, 68

Prevailing wind direction, NW Total wind 300.7

Average hourly velocity, 12.5 Extreme velocity, [illegible]

Maximum velocity, 22 Direction, N

Time began, 8:35 a. m.

Reduced barometer, [illegible] 7 a. m. [illegible], p. m.

River gage, 15.5 [illegible]

Relative humidity, [illegible] 7 a. m. 61 7 p. m.

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

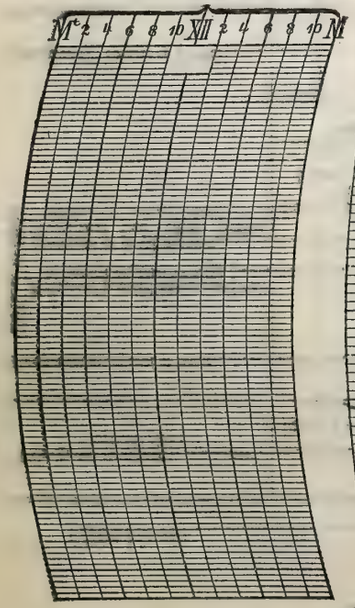
Dry temperature, 45.2 Wet temperature, 39.0

Dew-point, 31 R. humidity, 57 V. pressure, 1.22

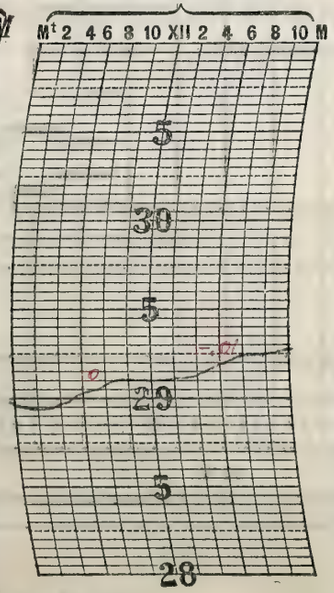
Clouds: Amount, 8; Kind, Cu; Direction, NW

Velocity of clouds (miles per hour)

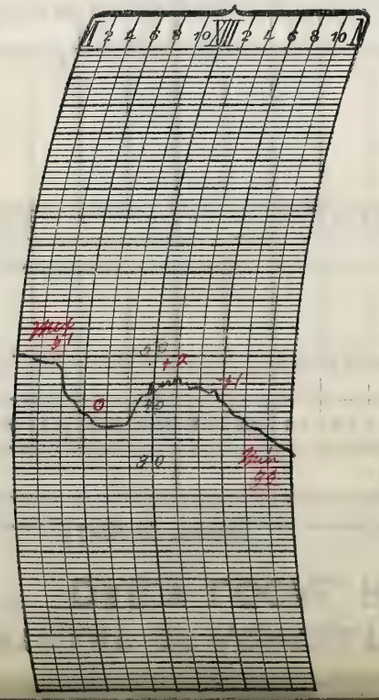
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A cloudy day with moderately high temperatures.

Prepared by [illegible]

Verified by [illegible]

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind, (Day of week) Friday, (Date) Apr 1 1921, 192

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	31	30	29	29	30	30	32	34	36	40	42	44
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Clear						
Sunrise: Time, 5:24 Character, Clear												
Moonrise: 1:34a												
Sunshine (in tenths of hours)						.50 0.2	1.0	1.0	1.0	1.0	1.0	1.0
Wind direction	NW	N	N	N	N	NE	NE	E	E	S	SW	SW
Wind movement	7	5	5	3	4	4	6	6	5	5	7	7
Maximum velocities (exceeding 47 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	46	48	50	51	50	48	47	45	44	43	42	41
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												
Sunset: Time, 4:06 Character, Clear												
Moonset: 11:55a												
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.8 0.7	.10 0					
Wind direction	SW	SW	SW	SW	SW	SW	SW	S	S	SW	SW	SW
Wind movement	8	9	10	10	11	11	6	9	12	9	12	13
Maximum velocities (exceeding 47 miles) direction and time												

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

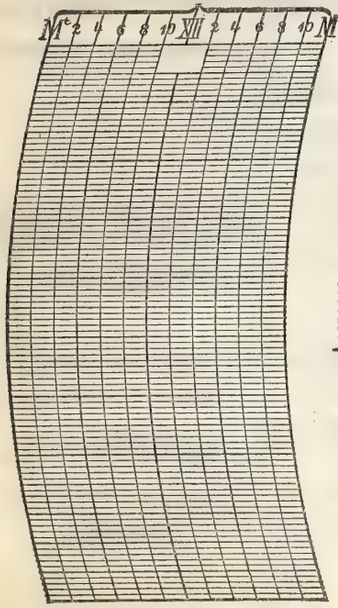
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
51	29	40	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10),
Actual sunshine, hours, 12.7 Possible sunshine, hours, 12.7
Per cent of possible sunshine, 100
Prevailing wind direction, SW Total wind 184
Average hourly velocity, 7.7 Extreme velocity, 15
Maximum velocity, 14 Direction, SW
Time began, 11:22 p.m.
Reduced barometer, 30.54 7 a. m. 30.12, p. m.
River gage, 14.4 Fall
Relative humidity, 45 7 a. m. 10 2 p. m.

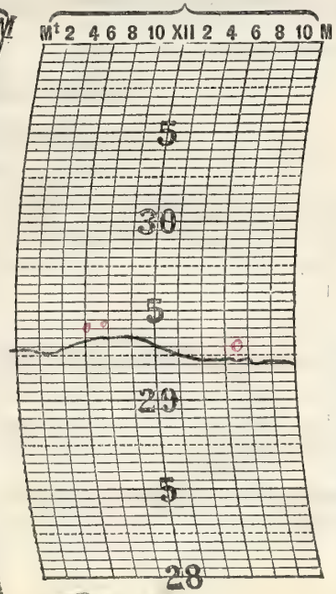
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 43.7 Wet temperature, 36.0
Dew-point, 25 R. humidity, 46 V. pressure, .130
Clouds: Amount, 3; Kind, Cu; Direction, SW
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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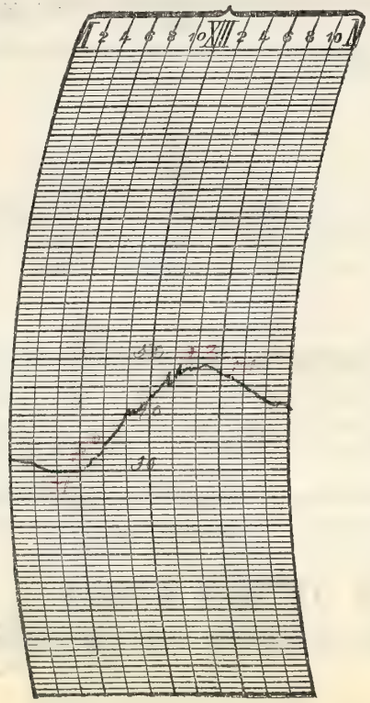


NOTES.

Heavy frost occurred this morning.
Automatic rain-gage exposed at 11:56 a.m.
A clear and very pleasant day with moderate temperature.

Prepared by
Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) _____, (*Day of week*) _____, (*Date*) _____, 192

Time (local standard). 90th mer. normal time.	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	42	41	41	42	42	43	45	49	54	57	60	63
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						←			Clear			
Sunshine (in tenths of hours)						.62 0	0.2 0.8	1.0	1.0	1.0	1.0	1.0
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	14	15	14	16	17	17	18	22	22	25	27	24
Maximum velocities (exceeding 20 miles) direction and time										30 SW 9:45	31 SW 10:05	

Time (local standard).	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	65	67	68	68	67	64	63	60	59	56	55.5	54
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Clear					→
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.4 0.6	.12 0					
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	19	21	19	16	14	11	9	8	9	9	10	10
Maximum velocities (exceeding 20 miles) direction and time												

Sunrise: Time, 5:23 Character, Clear
Moonrise: 2:10 a.
Sunset: Time, 6:07 Character, Clear
Moonset: 12:50 a.p.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
69	41	55	

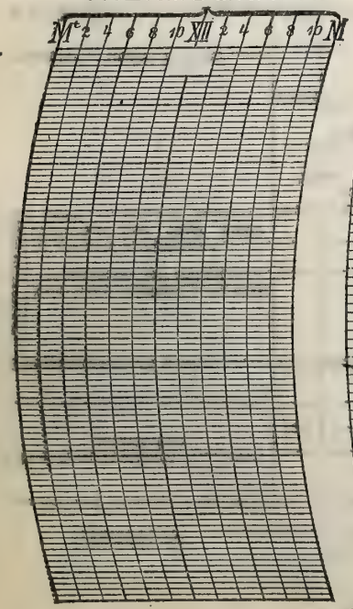
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 2 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 2 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, _____
Average daily cloudiness (0-10), Few
Actual sunshine, hours, 12.2 Possible sunshine, hours, 12.2
Per cent of possible sunshine, 100.0
Prevailing wind direction, SW Total wind 322
Average hourly velocity, 15.9 Extreme velocity, _____
Maximum velocity, 31 Direction, SW
Time began, 10:25 a.m.
Reduced barometer, 30.28 a. m. 30.14 p. m.
River gage, 11.8 Fall
Relative humidity, 65 a. m. 65 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

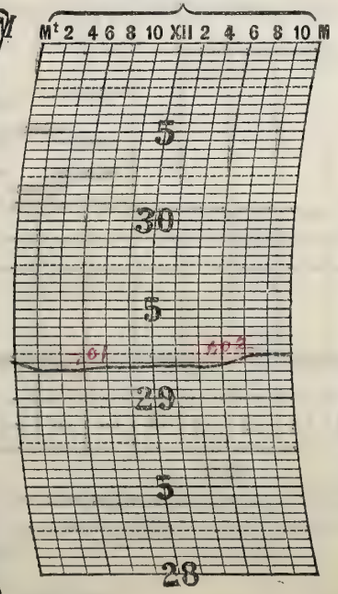
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 62.0 Wet temperature, 57.5
Dew-point, 42 R. humidity, 48 V. pressure, 2.46
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

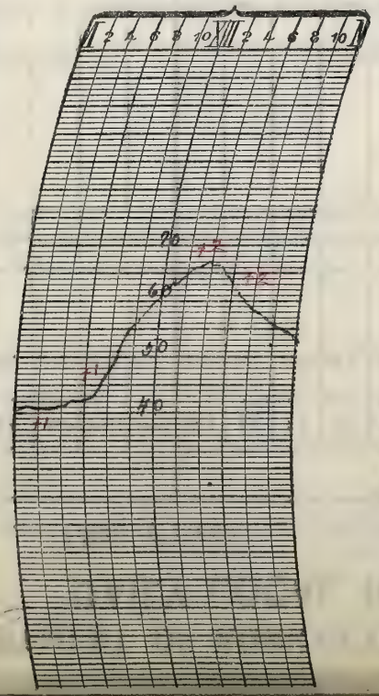
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A clear and balmy spring day with an abundance of sunshine

Prepared by _____

Verified by _____

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) ....., (Day of week) ....., (Date) ....., 192

Time (local standard). 90.2 mer. normal time.	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	52	51	49	48	47	47	50	55	62	67	70	72	74	75	74	73	72	67	65	62	60	58	57	54
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						←			Clear								Clear							→
	Sunrise: Time, 5:21 Character, Clear																				Sunset: Time, 6:28 Character, Clear			
	Moonrise: 2:43a																				Moonset: 2:47p			
Sunshine (in tenths of hours)						.65 0	0.2 0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2 0.8	.13 0					
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	S	S	S	S	S	S	SW
Wind movement	9	10	9	8	9	9	10	11	11	10	14	15	12	17	17	18	16	11	11	11	10	10	10	9
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

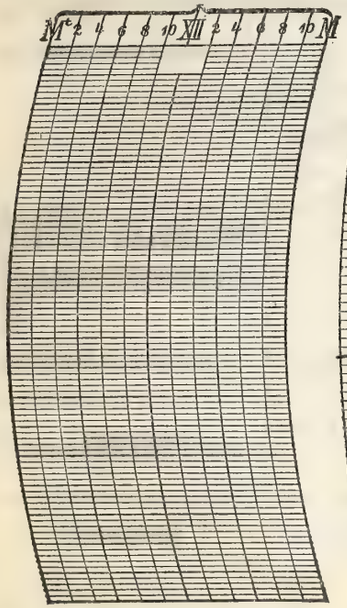
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
75	47	61	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, ...
Average daily cloudiness (0-10), 0
Actual sunshine, hours, 12.8 Possible sunshine, hours, 12.8
Per cent of possible sunshine, 100
Prevailing wind direction, SW Total wind 200
Average hourly velocity, 11.8 Extreme velocity, 31
Maximum velocity, 23 Direction, SW
Time began, 12:27 p.m.
Reduced barometer, 29.83 7 a. m. ..... 7 p. m.
River gage, 8.2 Fall
Relative humidity, 74 7 a. m. 48 7 p. m.

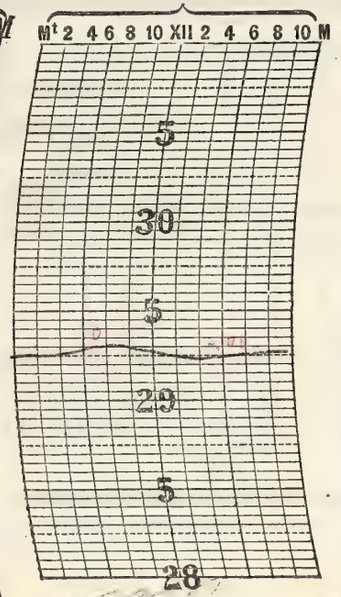
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 71.2 Wet temperature, 57.6
Dew-point, 45 R. humidity, 34 V. pressure, .245
Clouds: Amount, 0; Kind, 0; Direction, ...
Velocity of clouds (miles per hour) .....

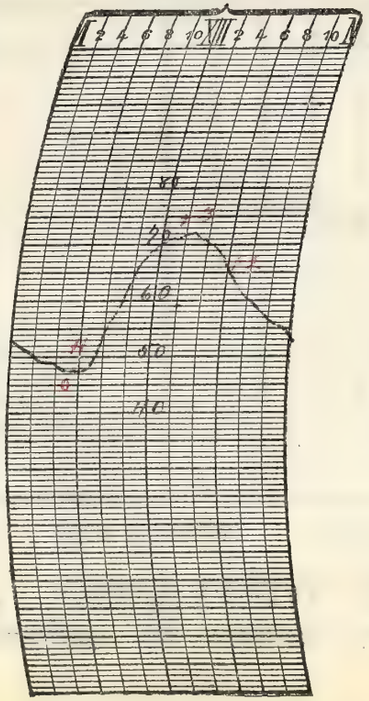
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A clear and exceedingly pleasant day with moderately high temperature and an abundance of bright, warm sunshine.

Prepared by .....

Verified by O. McDonough

8—480

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) ....., (*Day of week*) ....., (*Date*) ....., 192

Time (local standard). 90th mer. normal time.	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	53	52	51	50	50	51	58	60	65	70	71	73	74	75	75	74	73	72	70	67	66	64	63	64
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						←		Clear						×		Pt. Cloudy			×	Clear				→
Sunshine (in tenths of hours)						.68 / 0	0.2 / 0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	0					
Wind direction	SW	SW	SW	SW	SW	SW	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	C	S	S	S	S	S	S
Wind movement	8	7	7	10	6	6	6	9	11	14	12	12	19	17	16	15	11	7	5	6	9	7	7	7
Maximum velocities (exceeding 22 miles) direction and time																								

Sunrise: Time, 5:19 Character, Clear

Moonrise: 3:14 a.

Sunset: Time, 6:09 Character, Cloudy

Moonset: 2:45 p.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
76	50	63	✓

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase, ...

Average daily cloudiness (0-10), 4

Actual sunshine, hours, 12.3 Possible sunshine, hours, 13.1

Per cent of possible sunshine, 94

Prevailing wind direction, SW Total wind 240

Average hourly velocity, 10.0 Extreme velocity, ...

Maximum velocity, 21 Direction, SW

Time began, 3:14 p.m.

Reduced barometer, 30.27 7 a. m. ..... p. m.

River gage, 6.2 ft. Fall

Relative humidity, 61 7 a. m. 41 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts .....

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

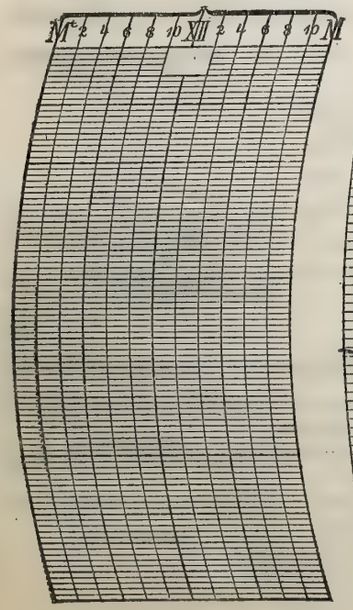
Dry temperature, 73.3 Wet temperature, 56.0

Dew-point, 41 R. humidity, 32 V. pressure, .256

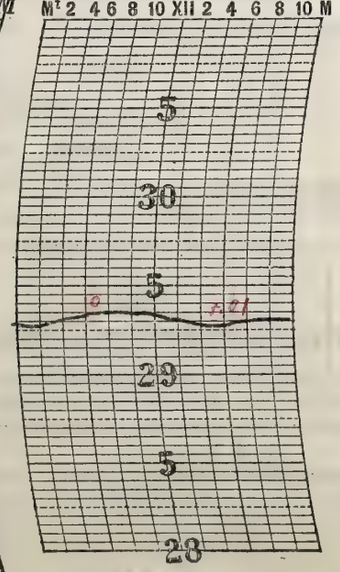
Clouds: Amount, 2; Kind, Cu St.; Direction, NW

Velocity of clouds (miles per hour) .....

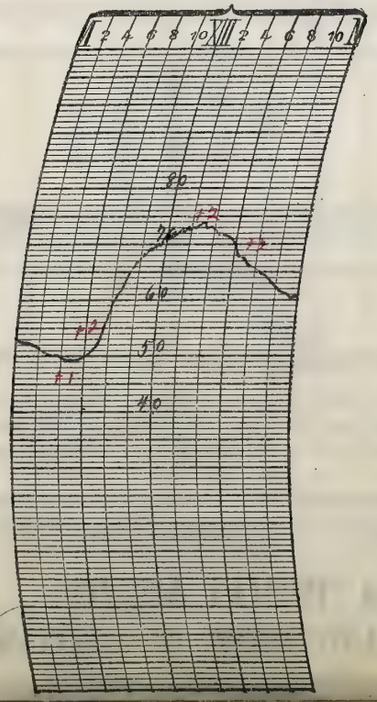
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A clear and very warm day with light to moderate southerly winds.

Prepared by .....

Verified by P. McKnight

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) _____, (Date) _____, 192

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	59	58	59	57	56	56	58	64	69	75	77	78
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						←			Pt. Cloudy		×	
Sunshine (in tenths of hours)						0	0.5	1.0	1.0	1.0	1.0	1.0
Wind direction	S	S	S	S	S	S	S	S	S	S	S	S
Wind movement	7	7	6	4	3	6	5	7	10	14	14	12

Sunrise: Time, 5:17 Character, Cloudy

Moonrise: 3:45a

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	78	78	78	78	77	75	73	71	69	66	64	63
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					Clear							→
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.5	0					
Wind direction	S	S	S	S	S	S	S	S	S	S	S	S
Wind movement	14	14	13	13	9	7	4	4	4	5	6	5

Sunset: Time, 6:10 Character, Cloudy

Moonset: 3:44p

Maximum velocities (exceeding 2 miles) direction and time _____

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts _____

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
79	55	67	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase, _____

Average daily cloudiness (0-10), 3

Actual sunshine, hours, 11.0 Possible sunshine, hours, 12.9

Per cent of possible sunshine, 85

Prevailing wind direction, S Total wind _____

Average hourly velocity, 8.0 Extreme velocity, 18

Maximum velocity, 18 Direction, S

Time began, 12:53 p.m.

Reduced barometer, 30.07 7 a. m. 30.15 7 p. m.

River gage, 5.9 Feet

Relative humidity, 57 7 a. m. 31 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

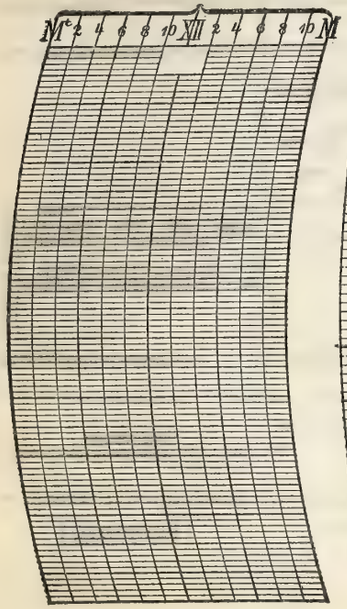
Dry temperature, 72.6 Wet temperature, 56.8

Dew-point, 29 R. humidity, 25 V. pressure, 0.35

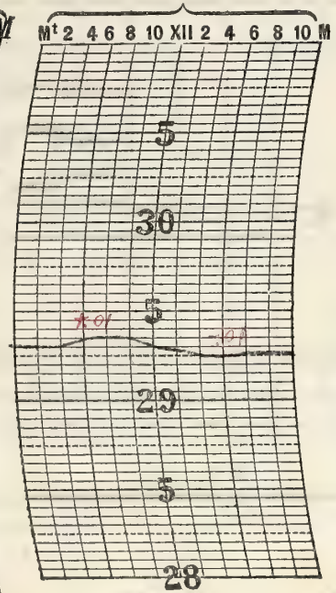
Clouds: Amount, 2; Kind, Cu St; Direction, W

Velocity of clouds (miles per hour) _____

THERMOGRAPH.



BAROGRAPH.



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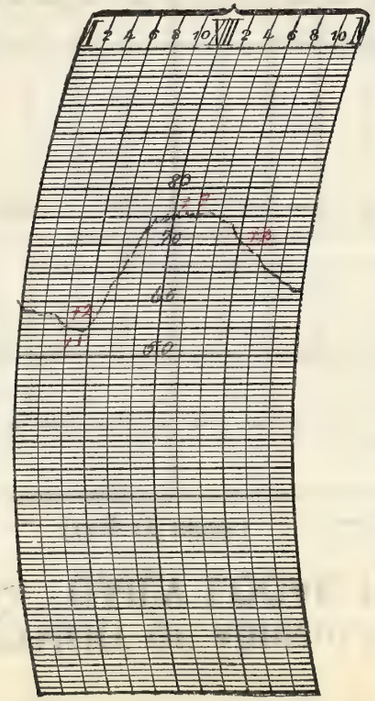


NOTES.

The day opened partly cloudy, but became clear about 11:30 a.m. and remained clear throughout. Temperatures were high and the maximum temperature of 79 degrees was the highest recorded to date this season.

Solar halo of 22° observed from 6:30 a.m., until about 8:30 a.m.

Prepared by _____

Verified by _____

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) ....., (Date) ....., 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	61	60	56	55	53	52	54	65	69	76	79	79
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions								Clear				
Sunrise: Time, Character, 5:16 Clear												
Moonrise: 4:44a												
Sunshine (in tenths of hours)						.73 0	1.0	1.0	1.0	1.0	1.0	1.0
Wind direction	S	S	S	S	S	S	S	S	S	S	S	S
Wind movement	4	3	2	3	2	4	2	3	5	4	7	7
Maximum velocities (exceeding 12 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	80	81	80	79	78	75	73	71	70	68	66	64
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Clear					
Sunset: Time, Character, 6:11 Cloudy												
Moonset: 4:44p												
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.4	0					
Wind direction	S	S	S	S	SW	S	S	S	S	S	SE	SE
Wind movement	11	12	12	14	10	7	5	5	7	7	8	8
Maximum velocities (exceeding 12 miles) direction and time												

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

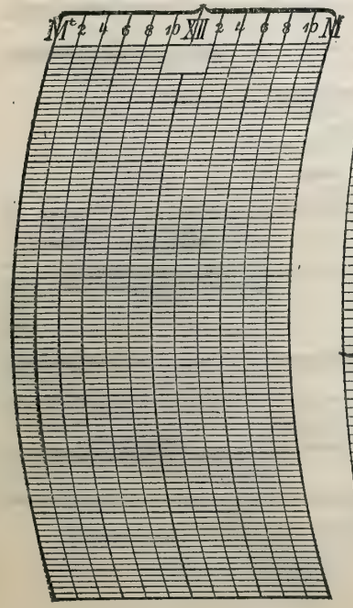
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
81	51	66	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, ...
Average daily cloudiness (0-10), Few
Actual sunshine, hours, 12.1 Possible sunshine, hours, 13.2
Per cent of possible sunshine, 94
Prevailing wind direction, S Total wind 154
Average hourly velocity, 6.4 Extreme velocity, 12
Maximum velocity, 16 Direction, SW
Time began, 2:56 p.m.
Reduced barometer, 29.78 7 a. m. 30.00 7 p. m.
River gage, 4.7 feet
Relative humidity, 64 7 a. m. 40 7 p. m.

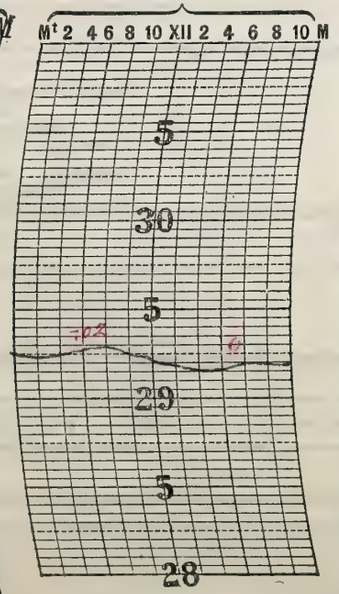
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 78.8 Wet temperature, 62.2
Dew-point, 39 R. humidity, 24 V. pressure, 25.7
Clouds: Amount, Few; Kind, Cu.; Direction, SW
Velocity of clouds (miles per hour).....

THERMOGRAPH.



BAROGRAPH.



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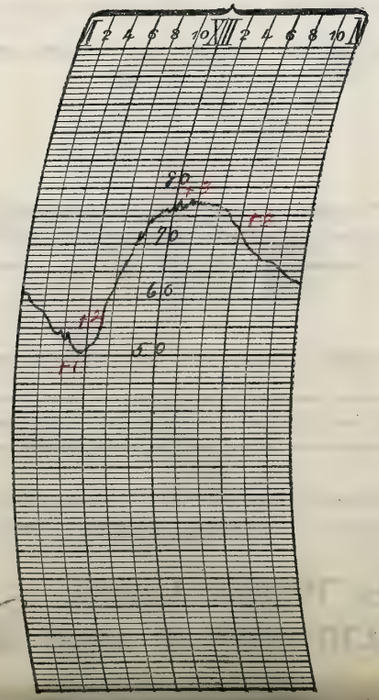


NOTES.

A clear and very warm day with light southerly winds

Prepared by .....
Verified by P. McAvoy

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) _____, (Date) _____, 192

Time (local standard), 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	63	62	61	61	61	62	62	64	68	70	70	71
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Pt. Cloudy →				Cloudy		
Sunshine (in tenths of hours)						0.1	0.3	1.0	1.0	1.0	1.0	1.0
Wind direction	SE	S	S	S	S	S	S	S	S	SW	SW	SW
Wind movement	8	7	7	7	8	9	7	11	13	12	12	12

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	68	65	63	65	64	61	61	60	60	60	59	59
State of weather: Nature of precipitation and time of beginning and ending	RB 12:20		RE 3:00		RB 4:45			RE 7:40				
Amounts of precipitation	T	.01	.02		T	.01	.03	T				
Cloudiness and other conditions					Cloudy							→
Sunshine (in tenths of hours)	0.8	0	0	0.6	0.2	0	0					
Wind direction	W	W	NW	NW	SW	NW	NW	NW	E	E	SE	SE
Wind movement	13	10	5	2	4	4	2	1	0	2	4	4

Sunrise: Time, 5:14 Character, Cloudy
Moonrise: 4:46a

Sunset: Time, 6:42 Character, Cloudy
Moonset: 5:44p

Maximum velocities (exceeding 20 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

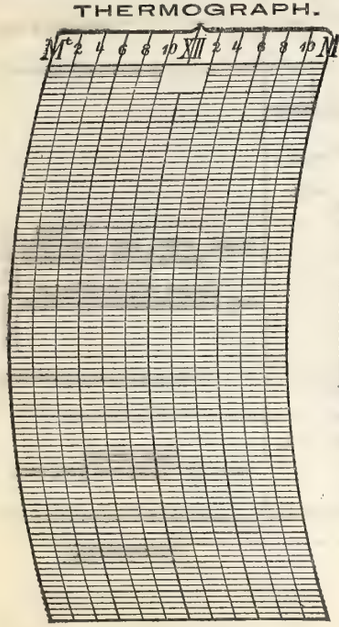
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
72	59	66	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .07 ins.
Total precipitation, midnight to midnight, .07 inches.
Character of day, Cloudy Moon phase, _____
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 7.0 Possible sunshine, hours, 13.0
Per cent of possible sunshine, 54
Prevailing wind direction, S Total wind 147
Average hourly velocity, 7.3 Extreme velocity, 12
Maximum velocity, 17 Direction, SE
Time began, 10:58 a.m.
Reduced barometer, 30.09 7 a. m. 30.12 7 p. m.
River gage, 4.3 Feet
Relative humidity, 61 7 a. m. 88 7 p. m.

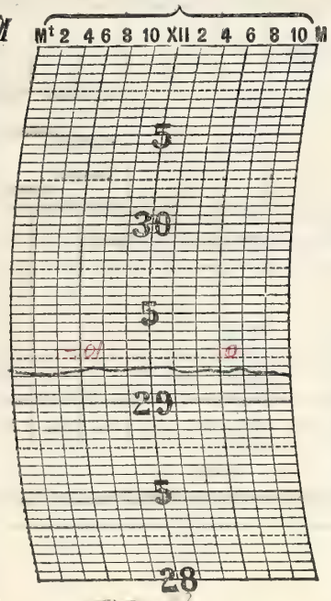
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 71.3 Wet temperature, 66.6
Dew-point, 55 R. humidity, 55 V. pressure, .432
Clouds: Amount, 9; Kind, ASt; Direction, NW
Velocity of clouds (miles per hour)

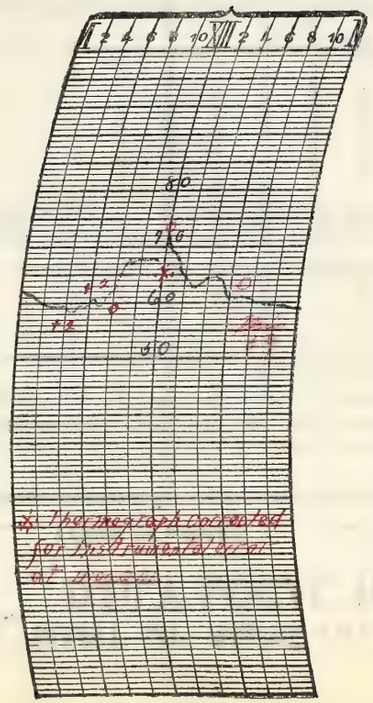
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



* Thermograph located for instrumental error of mean.

NOTES.

A cloudy and somewhat warm day with showers in the afternoon and evening.

Prepared by _____

Verified by _____

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) Friday, (Date) _____, 192

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	58	58	57	57	56	56	60 RB 6:44	61	61	61	60	60
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation							T	.04	.14	.10	.12	.03
Cloudiness and other conditions						←			Cloudy			
Sunrise: Time, 5:13 Character, Cloudy												
Moonrise: 5:18a												
Sunshine (in tenths of hours)						0	0	0	0	0	0	0
Wind direction	SE	E	E	E	SE	SE	S	SW	S	SW	SW	SW
Wind movement	5	6	7	7	7	6	12	16	13	12	14	12
Maximum velocities (exceeding 22 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	61 PE 12:15	63	61	60	55	50	48	47	47	46	45	44
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation	.01											
Cloudiness and other conditions			x PI	Cloudy x			Cloudy					
Sunset: Time, 6:13 Character, Cloudy												
Moonset: 6:49p												
Sunshine (in tenths of hours)	0.6	1.0	1.0	1.0	0.2	0	0					
Wind direction	SW	SW	W	NW	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	14	14	17	19	14	14	13	12	10	13	14	5
Maximum velocities (exceeding 22 miles) direction and time												

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

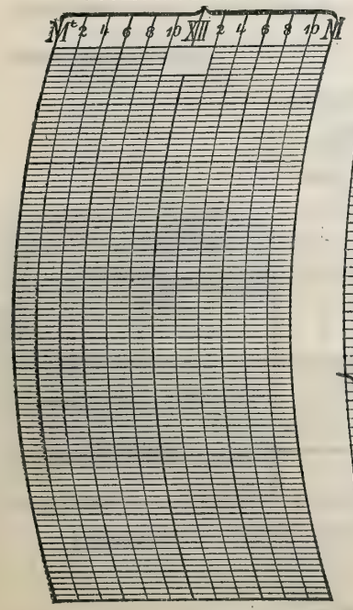
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
66	44	55	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., .49 ins.
Total precipitation, midnight to midnight, .49 inches.
Character of day, Cloudy Moon phase, New 2:00
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 3.8 Possible sunshine, hours, 12.0
Per cent of possible sunshine, 32
Prevailing wind direction, NW Total wind 246
Average hourly velocity, 11.5 Extreme velocity, 27
Maximum velocity, 22 Direction, NW
Time began, 2:46 p.m.
Reduced barometer, 29.87 7 a. m. 29.87 7 p. m.
River gage, 4.0 fall
Relative humidity, 85 7 a. m. 9 7 p. m.

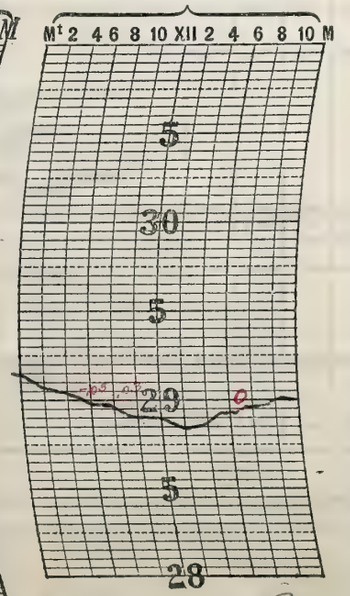
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 59.6 Wet temperature, 57.0
Dew-point, 55 R. humidity, 86 V. pressure, 1.22
Clouds: Amount, 10; Kind, Nb; Direction, SW
Velocity of clouds (miles per hour)

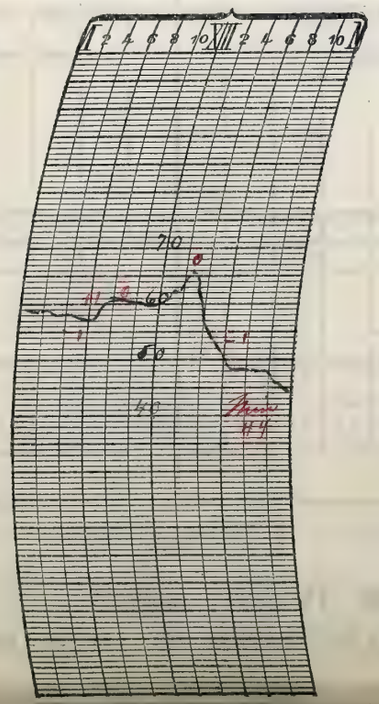
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A cloudy day with light rain and moderate easterly and southerly winds.

Prepared by _____
Verified by _____

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) _____, (Date) _____, 192

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	41	40	39	38	37	37	38	40	43	44	45	37
State of weather: Nature of precipitation and time of beginning and ending										1:13 2:50		8E 11:23 Rus 7:13 11:23
Amounts of precipitation										T	T	.02
Cloudiness and other conditions						←		Cloudy				→

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	35	36	36	36	35	34	33	32	32	32	32	32
State of weather: Nature of precipitation and time of beginning and ending		8E 1:20									5:19 10:13	
Amounts of precipitation	T	T									—	—
Cloudiness and other conditions						←		Cloudy				→

Sunrise: Time, 5:11 Character, Cloudy
Moonrise: 5:52a

Sunset: Time, 6:14 Character, Cloudy
Moonset: 7:53p

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)						0	0	0	0.3	0	0	0.2
Wind direction	NW	NW	NW	NW	NW	NW	NW	SW	SW	SW	SW	W
Wind movement	6	9	8	6	4	4	4	3	2	5	6	18
Maximum velocities (exceeding 15 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)	0	0.4	0	0	0	0	0					
Wind direction	W	NW	W	W	W	W	W	W	W	W	W	W
Wind movement	16	12	15	17	17	17	14	11	10	10	11	10

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
45	32	38	

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0.2 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .02 ins.
Total precipitation, midnight to midnight, .02 inches.
Character of day, Cloudy Moon phase, _____
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0.9 Possible sunshine, hours, 13.0
Per cent of possible sunshine, 7
Prevailing wind direction, W Total wind 240
Average hourly velocity, 10.0 Extreme velocity, 40
Maximum velocity, 22 Direction, _____
Time began, 3:20 p.m.
Reduced barometer, 30.07 7 a. m. 30.15 7, p. m.
River gage, 4.9 Feet
Relative humidity, 87 7 a. m. 68 7 p. m.

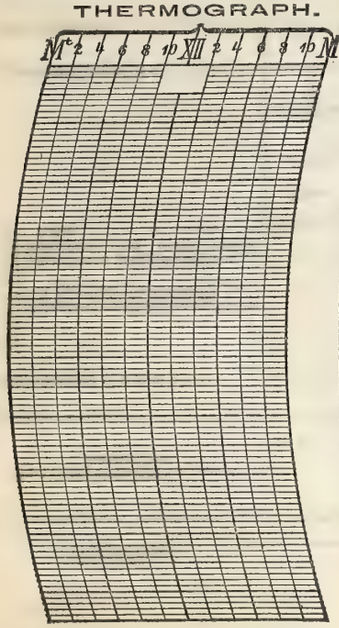
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts _____

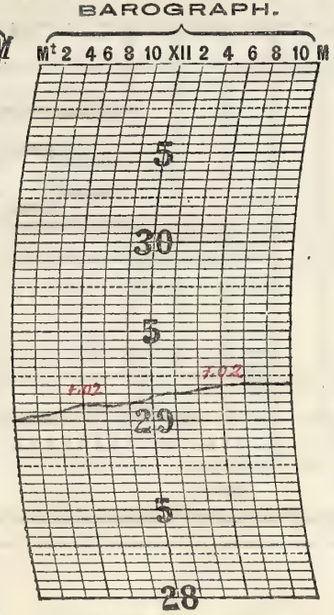
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 35.2 Wet temperature, 33.7
Dew-point, 31 R. humidity, 86 V. pressure, .102
Clouds: Amount, 10; Kind, Nb; Direction, W
Velocity of clouds (miles per hour) _____

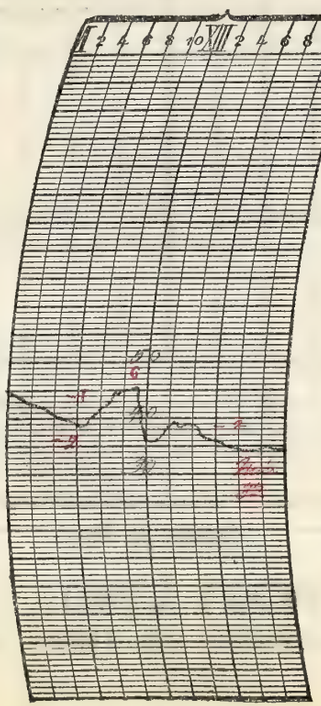
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Estimated.

NOTES.

A cloudy, cold, and disagreeable day.

Prepared by _____
Verified by P. M. O'Donnell

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) [illegible], 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	31	31	31	31	31	32	33	32	31	31	31	33
Nature of precipitation and time of beginning and ending											SNE 10-15	
Amounts of precipitation	–	–	–	–	–	–	–	–	–	–	–	
Cloudiness and other conditions						←			Cloudy			
Sunshine (in tenths of hours)						0	0	0	0	0.5	0.6	0.1
Wind direction	W	W	W	NW	NW	NW	N	N	NE	NE	N	N
Wind movement	8	7	6	6	7	7	7	10	12	16	12	12

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	34	35	35	36	36	36	35	34	33	31	30	30
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions			→ Pt. Cloudy				→ Clear			→		
Sunshine (in tenths of hours)	0.7	1.0	1.0	1.0	0.9	0.3	0					
Wind direction	N	N	N	N	N	N	N	N	NW	NW	NW	NW
Wind movement	14	14	13	12	11	8	4	5	9	9	7	6

State of weather.

Sunrise: Time, 5:09 a. Character, Cloudy. Moonrise: 6:32 a.

Sunset: Time, 6:15 p. Character, Cloudy. Moonset: 8:57 p.

Maximum velocities (exceeding 29 miles) direction and time.

Excessive precipitation, accumulated amounts.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
36	30	33	

Total depth of snow for 24 hours ending 7 p. m., 0.2 inches.

Snow, sleet, and hail on ground 7 p. m., T inches.

Total snowfall, midnight to midnight, 0.2 inches.

Precipitation to 7 a. m., .06 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, 0.05 inches.

Character of day, Cloudy. Moon phase,

Average daily cloudiness (0-10), 8

Actual sunshine, hours, 6.6. Possible sunshine, hours, 12.1

Per cent of possible sunshine, 55

Prevailing wind direction, N. Total wind 200

Average hourly velocity, 8.3. Extreme velocity, 20

Maximum velocity, 19 Direction, NW

Time began, 9:21 a. m.

Reduced barometer, 30.26 7 a. m. 30.43 7 p. m.

River gage, 6.7 Feet

Relative humidity, 95 7 a. m. 59 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

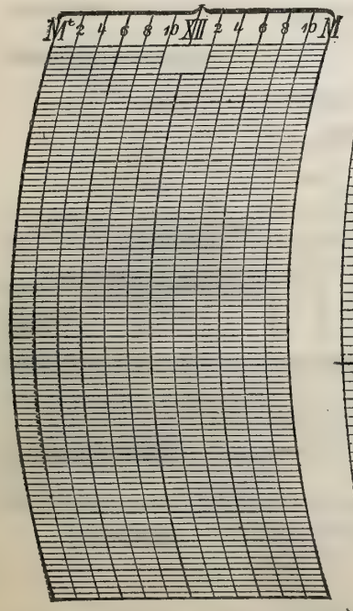
Dry temperature, 33.0 Wet temperature, 31.0

Dew-point, 30 R. humidity, 90 V. pressure,

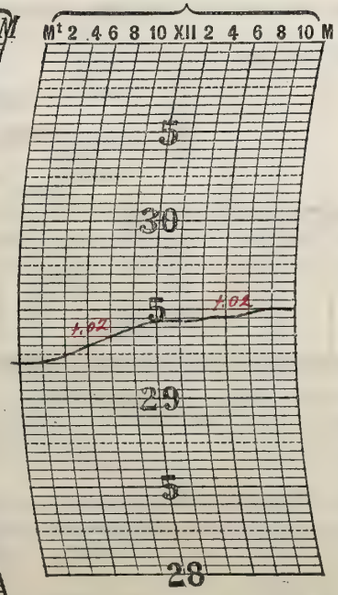
Clouds: Amount, 10; Kind, St Cu.; Direction, N.

Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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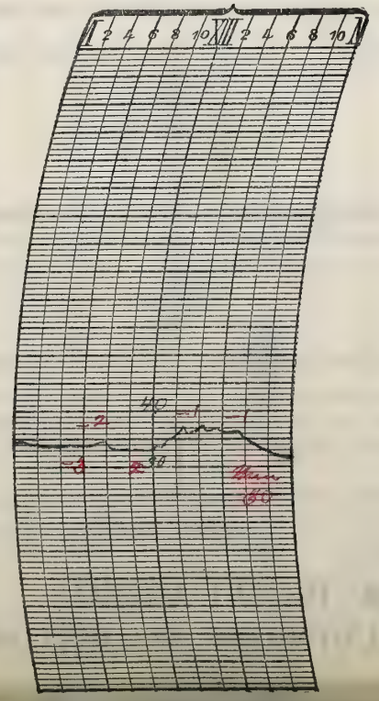


Estimated.

NOTES.

A cloudy and cold day with moist snow during the major portion of the morning hours.

Prepared by [illegible]

Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) _____, (Date) _____, 192

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	29	29	27	27	27	28	32	35	39	42	46	48
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Clear						
Sunshine (in tenths of hours)						.87 0	0.1 0.8	1.0	1.0	1.0	1.0	1.0
Wind direction	NW	NW	NW	NW	W	W	W	W	W	W	SW	SW
Wind movement	6	5	5	6	6	4	5	7	8	7	9	9

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	49	50	51	52	51	50	48	46	44	43	42	40
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions				Clear →								
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.1 0.9	.27 0					
Wind direction	SW	SW	SW	W	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	10	12	17	18	11	11	7	7	8	8	9	9

Sunrise: Time, 5:08 Character, Clear
Moonrise: 2:18 a.

Sunset: Time, 6:16 Character, Clear
Moonset: 2:39 p.

Maximum velocities (exceeding 22 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

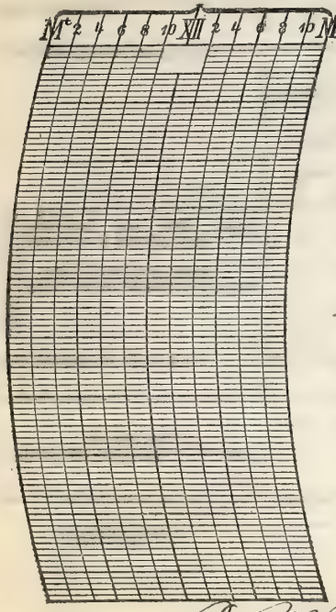
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
52	27	40	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, _____
Average daily cloudiness (0-10), Fair
Actual sunshine, hours, 13.0 Possible sunshine, hours, 13.1
Per cent of possible sunshine, 99
Prevailing wind direction, SW Total wind 193
Average hourly velocity, 8.0 Extreme velocity, 19
Maximum velocity, 16 Direction, W
Time began, 2:24 pm
Reduced barometer, 30.42 7 a. m. 30.22 7, p. m.
River gage, 6.3 feet
Relative humidity, 63 7 a. m. 51 7 p. m.

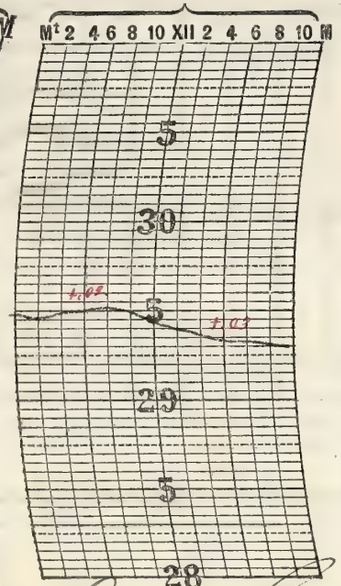
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 48.2 Wet temperature, 38.7
Dew-point, 25 R. humidity, 39 V. pressure, 1.20
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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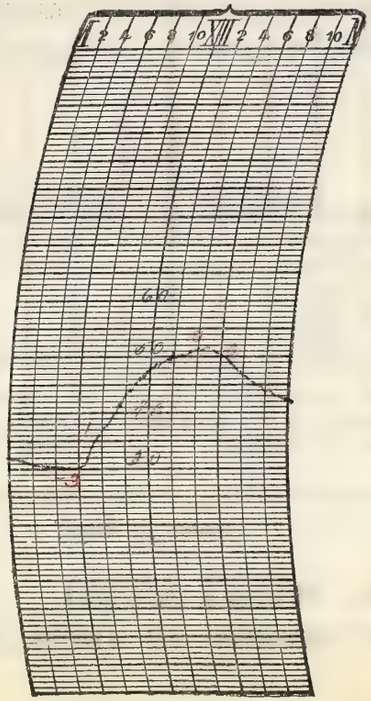


NOTES.

A clear and sunshiny day with slowly rising temperature. Hilling frost occurred this morning.

Prepared by C. M. Rowan
Verified by C. M. Rowan Jr.

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) _____, (Date) _____, 192

Time (local standard) 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	38	38	37	36	36	37	39	45	50	51	53	53
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						←	Pl. Cloudy				→	
Sunshine (in tenths of hours)						0	0.8	1.0	1.0	1.0	1.0	1.0
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	10	8	9	9	9	9	11	14	16	19	21	18

Sunrise: Time, 5:06 Character, Cloudy
Moonrise: 8:19 a.

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	56	56	57	58	59	57	55	53	52	51	51	51
State of weather: Nature of precipitation and time of beginning and ending				RB 320 RE 322								
Amounts of precipitation				T								
Cloudiness and other conditions				Cloudy			Cloudy	Clear			?	
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.7	1.0	0.7	0					
Wind direction	SW	SW	SW	SW	SW	SW	S	S	S	S	S	S
Wind movement	20	21	19	13	10	11	8	7	7	7	8	9

Sunset: Time, 6:17 Character, Cloudy
Moonset: 10:59 p.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
59	36	48	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase, _____
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 11.2 Possible sunshine, hours, 13.2
Per cent of possible sunshine, 85
Prevailing wind direction, SW Total wind 293
Average hourly velocity, 12.2 Extreme velocity, 28
Maximum velocity, 27 Direction, SW
Time began, 12:26 P.M.
Reduced barometer, 30.14 a. m. 29.99 p. m.
River gage, 6.0 Feet
Relative humidity, 68 a. m. 49 p. m.

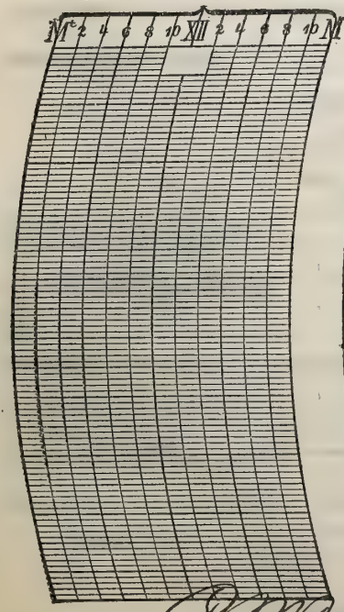
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

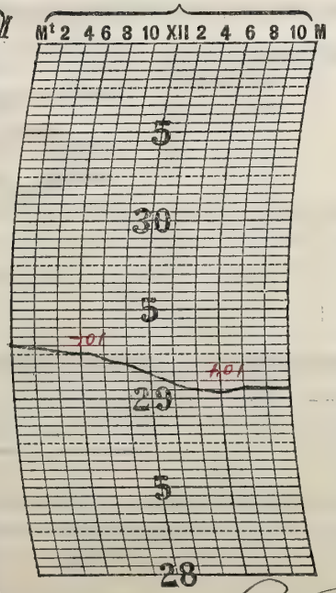
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 55.0 Wet temperature, 49.5
Dew-point, 44 R. humidity, 43 V. pressure, .180
Clouds: Amount, 9; Kind, Ast.; Direction, NW
Velocity of clouds (miles per hour)

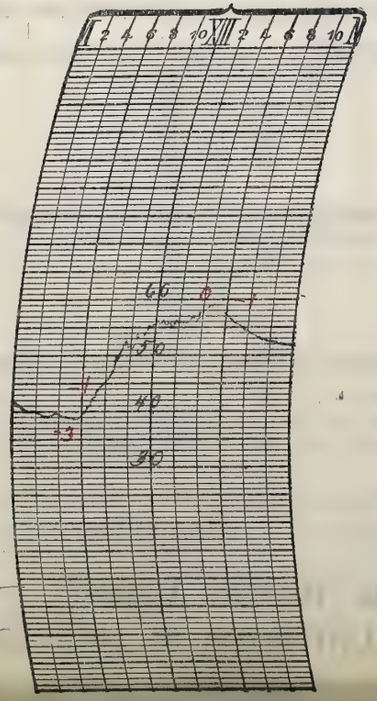
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The word "Warning" added to our telegraphic report

Generally cloudy weather but mostly clear after 6 p.m., some sunshine during the day through detached strato-cumulus and alto-stratus clouds. Moderate temperatures obtained. Penetrating southwesterly winds prevailed.

Prepared by J. M. Donough
Verified by J. M. Donough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) _____, (Date) _____, 192

Time (local standard). 90" mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	50	51	51	51	52	52	57	56	59	61	62	67
State of weather: Nature of precipitation and time of beginning and ending			RB D.N			RE Dn						
Amounts of precipitation			T	T	T	T						
Cloudiness and other conditions			Cloudy									
Sunrise: Time, 5:05 Character, Cloudy												
Moonrise: 9:06 a.m.												
Sunshine (in tenths of hours)						0	0	03	1.0	1.0	1.0	1.0
Wind direction	S	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	S
Wind movement	8	10	8	6	6	5	6	7	5	8	11	12

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	68	69	69	69	67	65	64	62	61	59	57	52
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Cloudy				Cloudy							
Sunset: Time, 6:18 Character, Cloudy												
Moonset: 11:54 p.m.												
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0	0					
Wind direction	SW	SW	SW	SW	SW	S	S	S	SE	SE	SE	E
Wind movement	13	16	14	12	11	6	5	3	5	4	4	5

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
69	50	60	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase, _____
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 9.3 Possible sunshine, hours, 13.2
Per cent of possible sunshine, 70
Prevailing wind direction, SW Total wind 190
Average hourly velocity, 7.9 Extreme velocity, 20
Maximum velocity, 19 Direction, SW
Time began, 12:27 P.M.
Reduced barometer, 29.98 7 a. m. 29.92 7, p. m.
River gage, 5.9 fall
Relative humidity, 77 7 a. m. 43 7 p. m.

Maximum velocities (exceeding 29 miles) direction and time _____

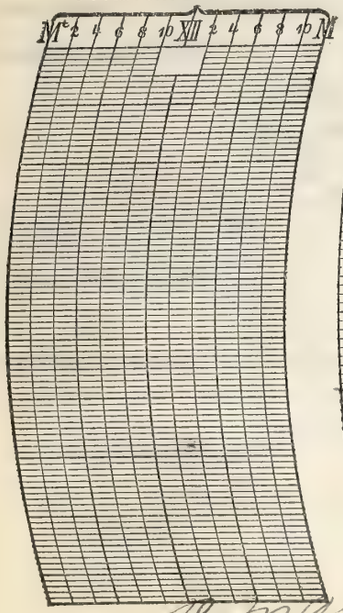
Excessive precipitation, accumulated amounts _____

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

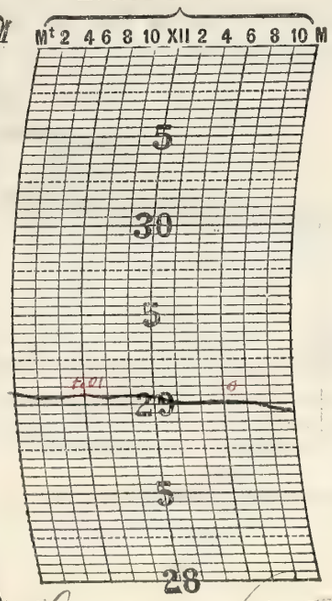
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 65.0 Wet temperature, 52.9
Dew-point, 43 R. humidity, 44 V. pressure, 27.7
Clouds: Amount, 8; Kind, Cu St.; Direction, W
Velocity of clouds (miles per hour) _____

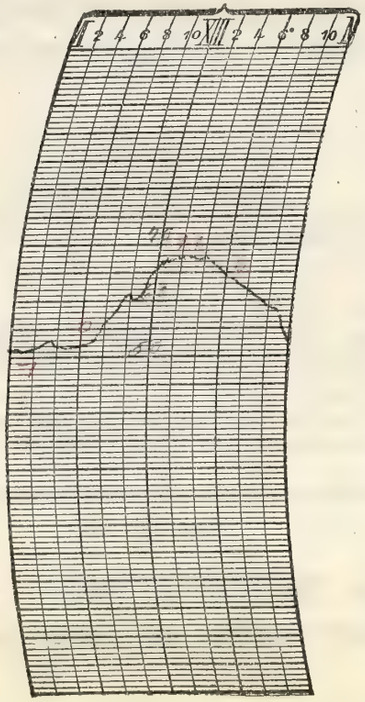
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The day was moderately warm and generally cloudy, with faint moonlight through alto-stratus clouds at night. Light rain occurred in the early morning.

Prepared by C. M. Donovan
Verified by C. M. Donovan

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) [illegible], (Date) [illegible], 192

Time (local standard) 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	49	48	49	50	51	54	55	51	55	57	60	62
State of weather: Nature of precipitation and time of beginning and ending						RB 5:45	-	-	RE 8:30			RB 11:30
Amounts of precipitation						T	.02	.07	T			T
Cloudiness and other conditions						Cloudy						
Sunshine (in tenths of hours)						0	0	0	0	03	07	02
Wind direction	E	E	E	E	E	S	S	SE	E	SE	SE	SE
Wind movement	5	6	6	8	8	7	6	9	10	12	12	10

Sunrise: Time, 5:03; Character, Cloudy. Moonrise: 10:08 a.

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	59	56	56	56	56	56	57	55	55	55	55	53
State of weather: Nature of precipitation and time of beginning and ending	-	-	-	-	RE 4:45		RB 6:25 RE 6:30	RB 7:10	RE 8:45		RB 10:15	-
Amounts of precipitation	.02	.16	.07	.05	T		T	.01	.02		.01	T
Cloudiness and other conditions					Cloudy							
Sunshine (in tenths of hours)	0	0	0	0	0	0	0					
Wind direction	S	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	14	15	15	15	13	15	17	18	17	18	15	17

Sunset: Time, 6:19; Character, Cloudy. Moonset: —

Maximum velocities (exceeding 29 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts.

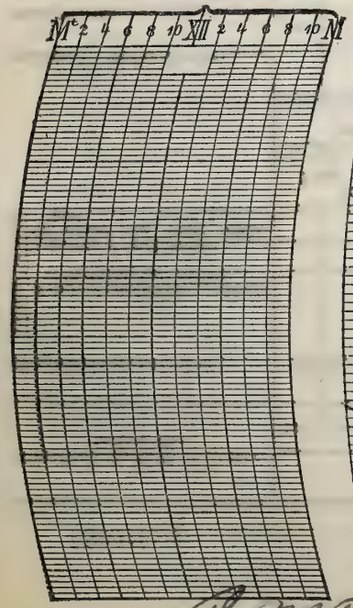
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
62	48	55.5	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .01 ins.; to 7 p. m., .38 ins.
Total precipitation, midnight to midnight, 0.43 inches.
Character of day, Cloudy. Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 1.2 Possible sunshine, hours, 13.3
Per cent of possible sunshine, 9
Prevailing wind direction, SW Total wind 288
Average hourly velocity, 12.0 Extreme velocity, 23
Maximum velocity, 22 Direction, SW
Time began, 6:45 p.m.
Reduced barometer, 29.80 7 a. m. 29.62 7 p. m.
River gage, 5.5 feet
Relative humidity, 94 7 a. m. 87 7 p. m.

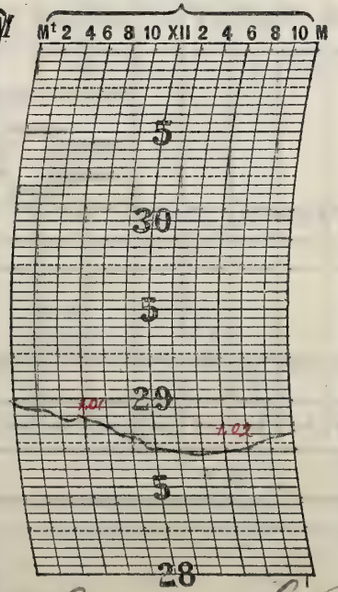
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 61.0 Wet temperature, 54.6
Dew-point, 50 R. humidity, 66 V. pressure, 36.0
Clouds: Amount, 10; Kind, Nb; Direction, S
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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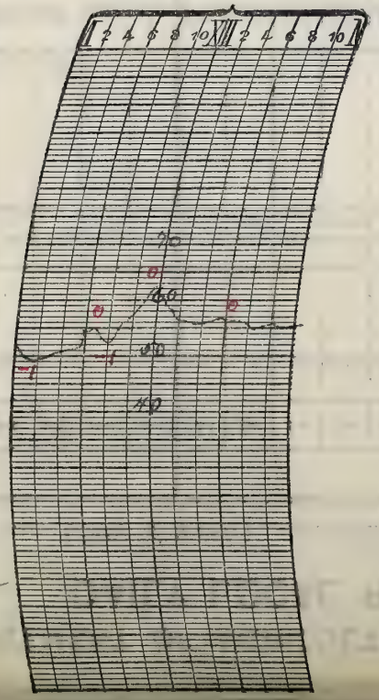


NOTES.

Mild and cloudy weather during the day with frequent showers

Prepared by J. McDonough

Verified by J. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) _____, (Date) _____, 192

Time (local standard). 90 mer. normal time

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	55	54	53	51	50	49	48	48	49	51	53	54
State of weather. Nature of precipitation and time of beginning and ending	RF D.N.											
Amounts of precipitation	T											
Cloudiness and other conditions						←			Cloudy			
Sunshine (in tenths of hours)						0	0	0	0	0	1.0	0.1
Wind direction	SW	SW	SW	W	W	W	W	W	NW	NW	N	NW
Wind movement	14	13	14	14	11	11	10	8	9	9	6	7

Sunrise: Time, 502 Character, Cloudy
Moonrise: 11:14 a.

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	55	57	57	58	57	56	54	52	51	51	50	48
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Cloudy						Cloudy		Clear			
Sunshine (in tenths of hours)	0	0.8	0.5	0.7	0.5	0	0					
Wind direction	NW	NW	NE	NE	NE	E	E	E	NE	NE	NE	E
Wind movement	6	5	5	6	8	8	7	8	7	9	15	19

Sunset: Time, 620 Character, Clear
Moonset: 12:42 a.

Maximum velocities (exceeding 29 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.

Excessive precipitation, accumulated amounts

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

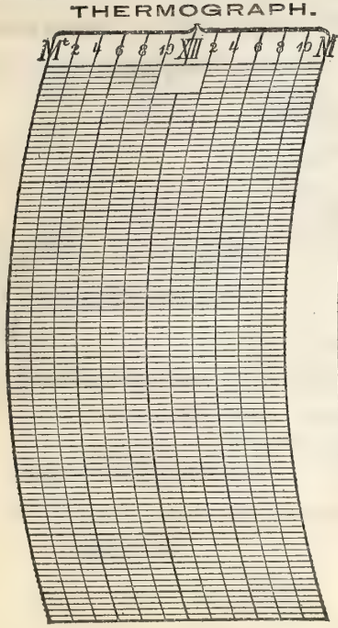
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
58	48	53.6	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .04 ins.; to 7 p. m., ___ ins.
Total precipitation, midnight to midnight, ___ inches.
Character of day, Cloudy Moon phase, 5 days
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 3.6 Possible sunshine, hours, 13.3
Per cent of possible sunshine, 27
Prevailing wind direction, NE Total wind 23
Average hourly velocity, 9.5 Extreme velocity, 22
Maximum velocity, 22 Direction, E
Time began, 11:45 p.m.
Reduced barometer, 29.94 7 a. m. ___ 7 p. m.
River gage, 6.0 feet
Relative humidity, 93 7 a. m. ___ 7 p. m.

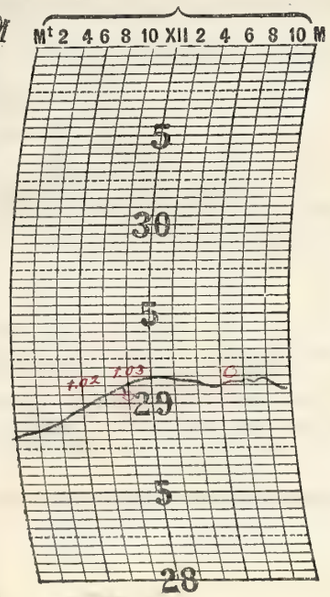
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 54.9 Wet temperature, 50.0
Dew-point, 45 R. humidity, 72 V. pressure, 29.8
Clouds: Amount, 10; Kind, St+Cu; Direction, NW
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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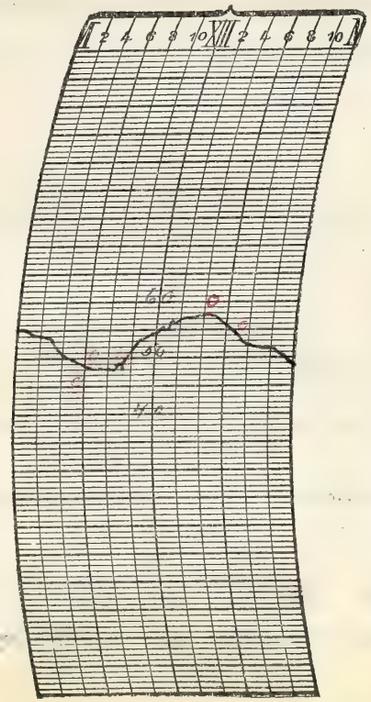


NOTES.

A cloudy day with moderate temperature.

Prepared by _____
Verified by _____

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) [illegible], (*Day of week*) [illegible], (*Date*) [illegible], 192

Time (local standard). [illegible] mer. normal time.	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	46	43	40	39	39	38	38	38	38	38	38	38
State of weather. Nature of precipitation and time of beginning and ending		HB 1:35										
Amounts of precipitation		T	.06	.05	.01	.02	.03	.04	T	.01	T	T
Cloudiness and other conditions	Cloudy								Cloudy			
	Sunrise: Time, 5:00 Character, Cloudy Moonrise: 12:22 P											
Sunshine (in tenths of hours)						0	0	0	0	0	0	0
Wind direction	E	E	E	NE	NE	NE	NE	NE	NE	NE	NE	NE
Wind movement	23	24	19	21	21	24	23	23	23	23	24	24
Maximum velocities (exceeding 21 miles) direction and time												

P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
37	38	38	37	37	35	35	35	34	33	33	33
HE 12:40				HB 4:00		HE 6:15	HB 7:10				
T				T	T	T	T	T	.01	T	.02
				Cloudy							
								Sunset: Time, 6:01 Character, Cloudy Moonset: 1:27 a			
0	0	0	0	0	0	1					
NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
21	22	20	18	19	21	22	21	20	20	19	18

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
48	33	[illegible]	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., [illegible] ins.; to 7 p. m., [illegible] ins.
Total precipitation, midnight to midnight, [illegible] inches.
Character of day, Cloudy Moon phase, [illegible]
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 12.11
Per cent of possible sunshine, 0
Prevailing wind direction, NE Total wind [illegible]
Average hourly velocity, 21.0 Extreme velocity, 23
Maximum velocity, 29 Direction, NE
Time began, [illegible]
Reduced barometer, 29.88 7 a. m. 29.83 7 p. m.
River gage, [illegible]
Relative humidity, 91 7 a. m. 95 7 p. m.

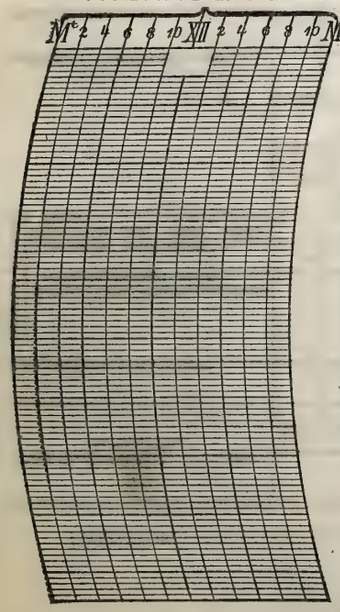
Excessive precipitation, accumulated amounts	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

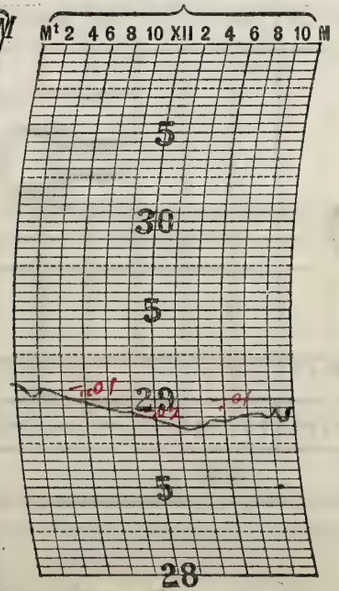
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 38.2 Wet temperature, 37.2
Dew-point, 36 R. humidity, 91 V. pressure, [illegible]
Clouds: Amount, 10; Kind, Nb; Direction, [illegible]
Velocity of clouds (miles per hour)

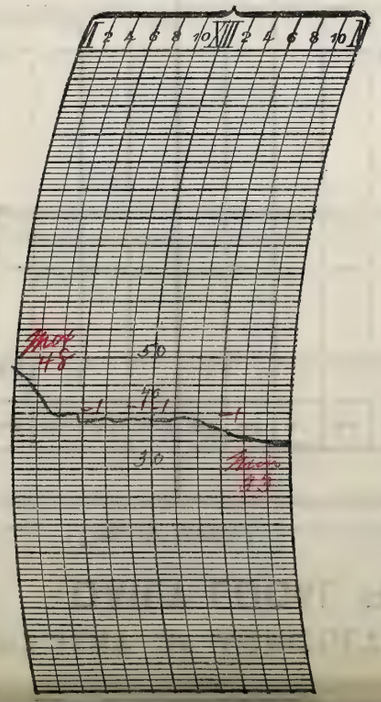
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Sunrise 12:00 Noon (75th Meridian Time) observation called for by the Central Office.

A cloudy, cold, and rainy day which altogether made it disagreeable out doors.

Prepared by [illegible]

Verified by [illegible]

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) _____, (Date) _____, 192

Time (local standard). 90th mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	34	34	34	34	34	34	33	30	30	31	31	32
State of weather. Nature of precipitation and time of beginning and ending		NE 1:50 RA 1:18 1:30 RA SLE 1:41 1:46 1:51	RE RNA				SW 18 6:30					
Amounts of precipitation	.09	.06	.01				—	—	—	—	—	—
Cloudiness and other conditions	Cloudy →					←			Cloudy			
Sunrise: Time, Character,	4:58 Cloudy											
Moonrise:	1:31 P.											
Sunshine (in tenths of hours)					0	0	0	0	0	0	0	0
Wind direction	NE	NE	NE	NE	NE	N	N	N	N	N	N	NE
Wind movement	13	8	13	20	14	8	9	9	10	10	10	13

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	33	33	33	33	33	33	33	34	34	33	33	33
State of weather. Nature of precipitation and time of beginning and ending						SW E 3 30						
Amounts of precipitation	—	—	—	—	—	—						
Cloudiness and other conditions			Cloudy					→ Pt. Cloudy → Clear →				
Sunset: Time, Character,									6:22 Cloudy			
Moonset:									2:18 a.			
Sunshine (in tenths of hours)	0	0	0	0	0	0	0					
Wind direction	NE	N	N	N	N	N	N	N	N	N	NW	NW
Wind movement	16	11	10	13	14	11	9	8	6	5	7	7

Maximum velocities (exceeding 27 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.

Excessive precipitation, accumulated amounts.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
34	30	32	

Total depth of snow for 24 hours ending 7 p. m., 0.2 inches.

Snow, sleet, and hail on ground 7 p. m., T inches.

Total snowfall, midnight to midnight, 0.2 inches.

Precipitation to 7 a. m., .12 ins.; to 7 p. m., .02 ins.

Total precipitation, midnight to midnight, .05 inches.

Character of day, Cloudy Moon phase, _____

Average daily cloudiness (0–10), 10

Actual sunshine, hours, 0 Possible sunshine, hours, 10.4

Per cent of possible sunshine, 0

Prevailing wind direction, N Total wind 2[illegible]

Average hourly velocity, 10.6 Extreme velocity, 31

Maximum velocity, 28 Direction, NE

Time began, 3:20 a. m.

Reduced barometer, 29.92 7 a. m. 30.14 7 p. m.

River gage, 8.4 rise

Relative humidity, 85 7 a. m. 80 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

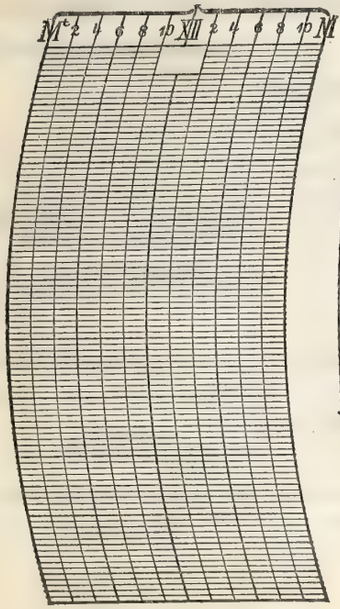
Dry temperature, 32.5 Wet temperature, _____

Dew-point, 29 R. humidity, 87 V. pressure, .22

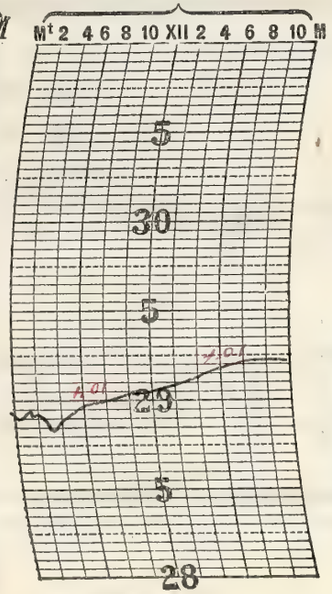
Clouds: Amount, 10; Kind, Nb; Direction, N

Velocity of clouds (miles per hour) _____

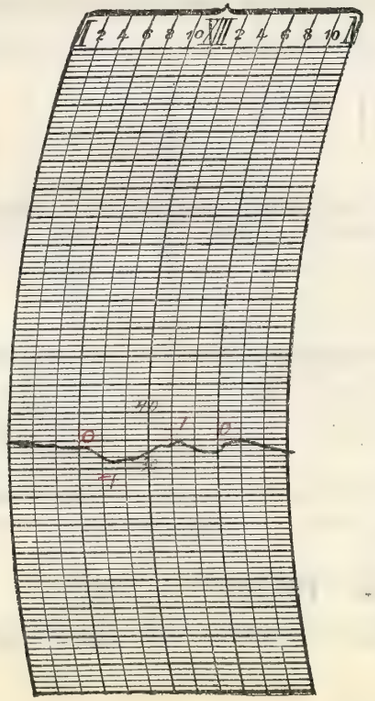
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A cloudy and cold day with a wet snow falling during the daylight hours.

Heavy frost warning received and posted in regular a.m. forecast. It was posted to all interested parties.

Prepared by _____

Verified by T. M. Downing

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) ....., *(Day of week)* ....., *(Date)* ....., 192

Time (local standard), 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	31	31	32	32	32	32	35	37	40	43	49	52
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						←			Clear			
Sunrise: Time, 4:57 Character, Clear												
Moonrise: 7:40p.												
Sunshine (in tenths of hours)					.05 0	1.0 0	0.2 0.5	1.0	1.0	1.0	1.0	1.0
Wind direction	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	N	NW
Wind movement	6	7	8	8	6	4	5	8	9	10	9	11

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	52	54	55	56	55	54	53	49	46	45	45	43
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												→
Sunset: Time, 6:23 Character, Clear												
Moonset: 2:42a.												
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.1	0.9 0	3.8				
Wind direction	NW	NW	NW	NW	NW	N	N	N	NW	NW	N	NW
Wind movement	10	10	10	10	8	5	3	2	7	6	4	4

Maximum velocities (exceeding 30 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
56	31	44	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, ... inches.

Character of day, Clear Moon phase, ...

Average daily cloudiness (0-10), 0

Actual sunshine, hours, 13.4 Possible sunshine, hours, 13.4

Per cent of possible sunshine, 100

Prevailing wind direction, NW Total wind 146

Average hourly velocity, 7.0 Extreme velocity, 12

Maximum velocity, 12 Direction, NW

Time began, 12:53 p.m.

Reduced barometer, 30.22 7 a. m. 30.22 7, p. m.

River gage, 10.8 Feet

Relative humidity, 93 7 a. m. 43 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

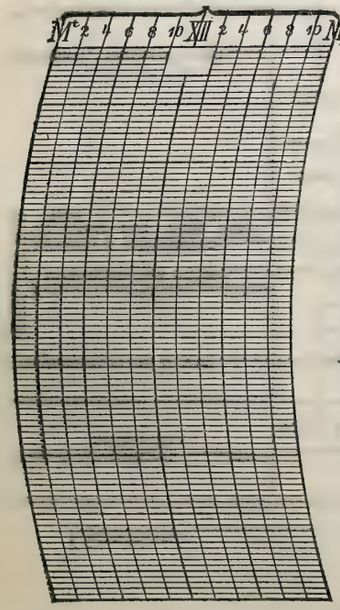
Dry temperature, 49.9 Wet temperature, 39.9

Dew-point, 29 R. humidity, 39 V. pressure, 14.3

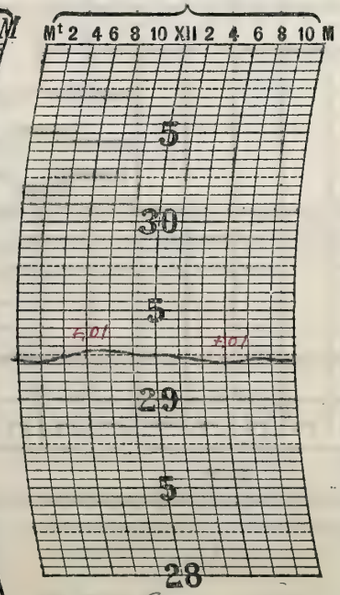
Clouds: Amount, 0; Kind, 0; Direction, 0

Velocity of clouds (miles per hour)

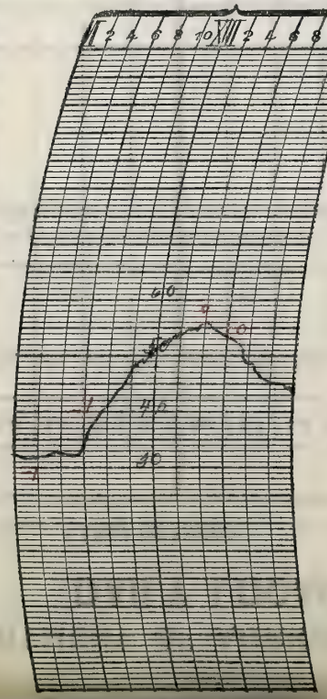
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Killing frost occurred this morning. A clear day with rising temperature and light westerly winds

Prepared by .....

Verified by .....

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) ....., (Day of week) ....., (Date) ....., 192

Time (local standard). 90 mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	40	40	39	37	37	39	42	47	52	57	62	64	65	65	65	64	63	61	59	56	54	53	52	51
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						← Clear									Clear →									
Sunrise: Time, 4:56 Character, Clear																					Sunset: Time, 6:34 Character, Clear			
Moonrise: 3:48 P.																					Moonset: 5:42 a.			
Sunshine (in tenths of hours)					.07 0	1.0 0	0.4 0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5 0.5	.40 0					
Wind direction	NW	NW	NW	NW	W	W	W	SW	SW	W	W	W	W	W	SW	SW	W	SW	SW	SW	SW	SW	SW	SW
Wind movement	3	6	3	3	6	6	7	7	10	9	12	12	12	15	13	13	12	9	7	7	7	7	8	7
Maximum velocities (exceeding 20 miles) direction and time																								

	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

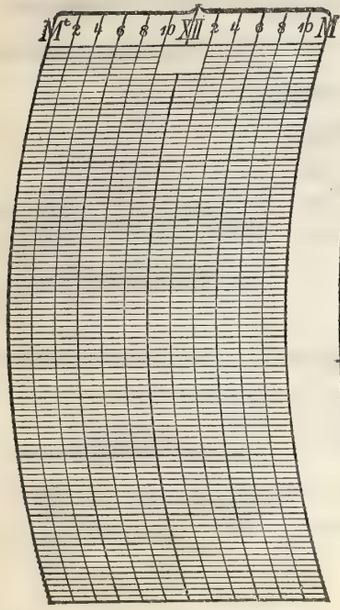
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
65	37	51	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, ...
Average daily cloudiness (0-10), Fair
Actual sunshine, hours, 12.5 Possible sunshine, hours, 12.5
Per cent of possible sunshine, 100
Prevailing wind direction, SW Total wind 204
Average hourly velocity, 8.4 Extreme velocity, 18
Maximum velocity, 18 Direction, SW
Time began, 2:30 p.m.
Reduced barometer, 30.15 7 a. m. 30.11 7 p. m.
River gage, 10.35 ft.
Relative humidity, 62 7 a. m. 42 7 p. m.

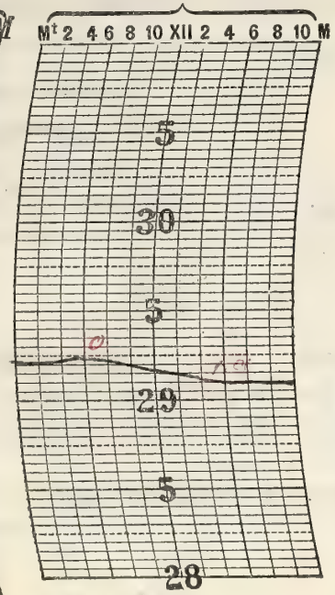
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 61.2 Wet temperature, 57.7
Dew-point, 52 R. humidity, 74 V. pressure, .180
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

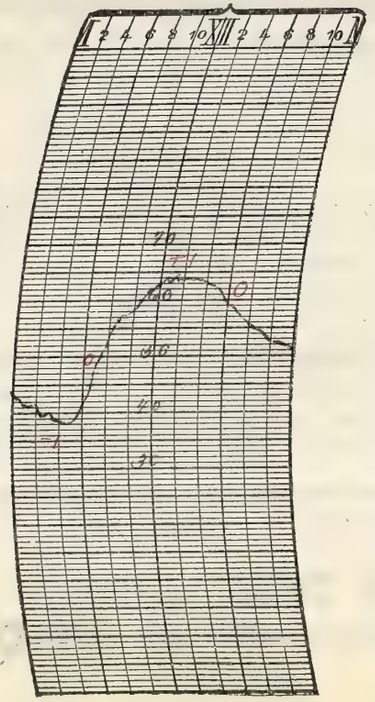
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Slight frost occurred this morning. A clear and warm spring day with an abundance of sunshine and light westerly winds.

Prepared by .....
Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Yukon, Alaska, (Day of week) Wednesday, (Date) April 28 1920, 192

Time (local standard). 20th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	50	49	49	50	56	52	53	59	63	65	62	[illegible]
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						←		Clear				
Sunrise: Time, Character,	4:57 a Clear											
Moonrise:	4:57 p											
Sunshine (in tenths of hours)					0	0	0.6	1.0	1.0	1.0	1.0	1.0
Wind direction	SW	SW	SW	SW	S	S	SW	SW	SW	SW	SW	SW
Wind movement	9	9	9	9	9	11	14	17	12	18	16	17
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	71	70	68	66	65	64	63	62	60	58	56	58
State of weather: Nature of precipitation and time of beginning and ending									HB 8:30			
Amounts of precipitation									T	T	.02	.01
Cloudiness and other conditions	→	Pt. Cloudy				Cloudy						
Sunset: Time, Character,									6:26 p Cloudy			
Moonset:									2:52 a			
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.2	0	0	0					
Wind direction	SW	SW	SW	SW	SW	S	S	S	S	S	SW	SE
Wind movement	12	20	20	18	14	14	12	11	11	12	7	5
Maximum velocities (exceeding 29 miles) direction and time												

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
72	48	60.6	

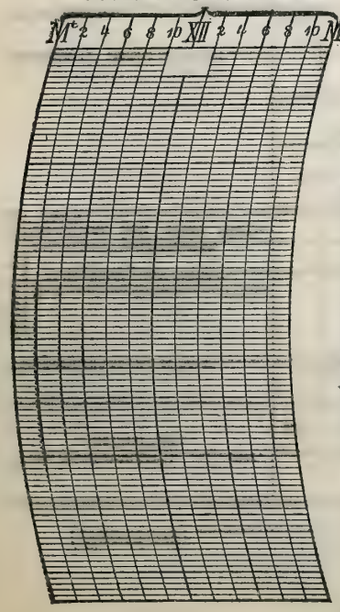
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, .03 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 10.2 Possible sunshine, hours, 13.5
Per cent of possible sunshine, 76
Prevailing wind direction, SW Total wind [illegible]
Average hourly velocity, 12.2 Extreme velocity, [illegible]
Maximum velocity, 24 Direction, SW
Time began, 1:43 p m.
Reduced barometer, 29.94 7 a. m. 29.86 7 p. m.
River gage, 8.8 feet
Relative humidity, 58 7 a. m. [illegible] 7 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

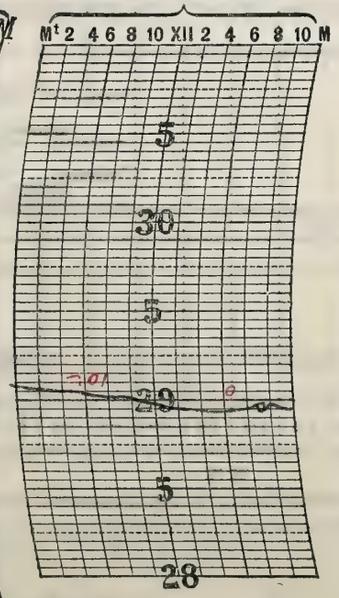
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 69.0 Wet temperature, 56.0
Dew-point, 46 R. humidity, 44 V. pressure, .310
Clouds: Amount, 3; Kind, Cst; Direction, NW
Velocity of clouds (miles per hour)

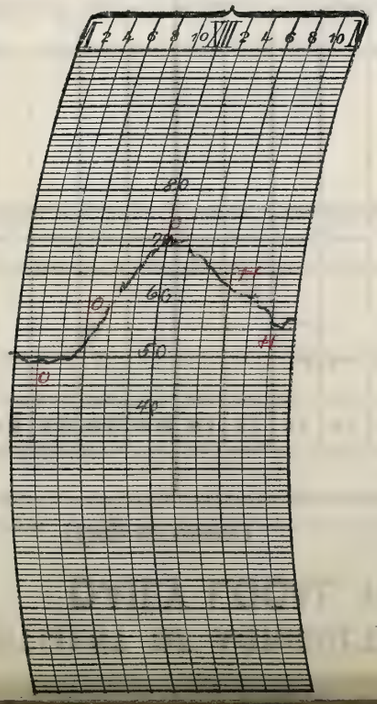
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A partly cloudy and warm day with moderate westerly and southerly winds.

Prepared by P. M. C. B.
Verified by P. M. Kennedy

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) _____, (Date) _____, 192

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	58	59	59	57	57	57	57	61	63	66	68	68
State of weather. Nature of precipitation and time of beginning and ending				11 E DNH				RB 7:15 HE 7:25	RB 8:33	HE 9:45		
Amounts of precipitation	T	T	T	T				.01	.01	.01		
Cloudiness and other conditions	← Cloudy										x P/Cdy x	

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	68	68	67	66	64	63	63	62	61	61	60	59
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions			Cloudy									→

Sunrise: Time, 4:53 Character, Cloudy
Moonrise: 6:02 P.

Sunset: Time, 6:27 Character, Cloudy
Moonset: 4:27 A.

	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)					0	0	0	0	0	0.2	1.0	1.0
Wind direction	SE	SE	S	S	S	S	S	S	SW	SW	SW	SW
Wind movement	7	11	14	17	16	17	15	15	18	18	24	[illegible]
Maximum velocities (exceeding 20 miles) direction and time												

	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)	0.5	0.5	0.8	0.5	0	0	0					
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	[illegible]
Wind movement	22	24	27	25	23	21	18	16	13	14	15	8
Maximum velocities (exceeding 20 miles) direction and time			30 SW 2:27	33 SW 3:07								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below: 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

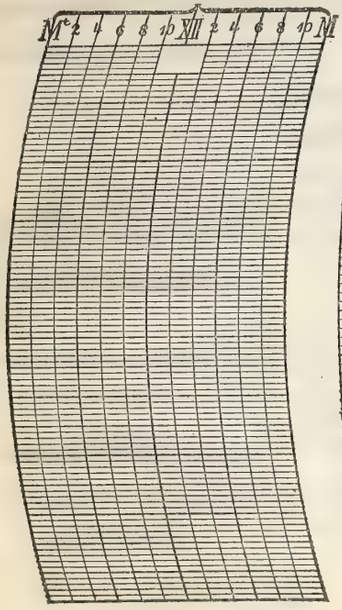
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
69	56	62	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .03 ins.; to 7 p. m., .03 ins.
Total precipitation, midnight to midnight, .03 inches.
Character of day, Cloudy Moon phase, _____
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 4.5 Possible sunshine, hours, 13.4
Per cent of possible sunshine, 33
Prevailing wind direction, SW Total wind 472
Average hourly velocity, 17.5 Extreme velocity, 34
Maximum velocity, 33 Direction, [illegible]
Time began, 3:00 pm
Reduced barometer, 29.74 7 a. m. 29.[illegible] 7 p. m.
River gage, 8.3 Fall
Relative humidity, 75 7 a. m. 77 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 67.9 Wet temperature, 58.8
Dew-point, 53 R. humidity, 60 V. pressure, .402
Clouds: Amount, 7; Kind, Cu; Direction, [illegible]
Velocity of clouds (miles per hour)

THERMOGRAPH.



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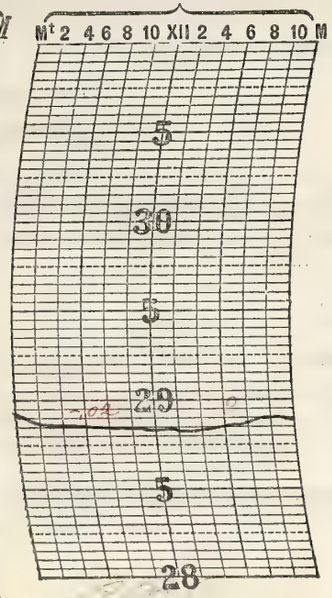
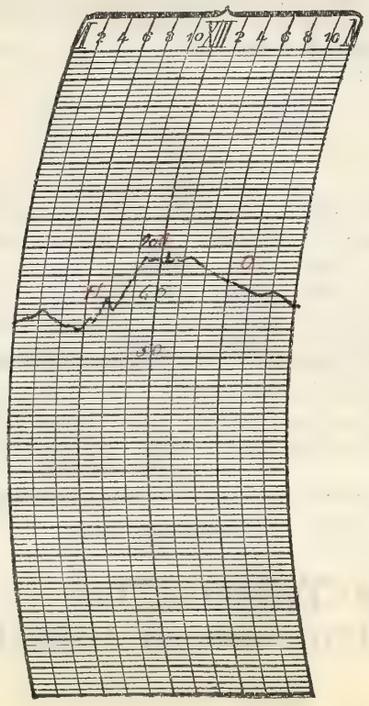


THERMOGRAPH.



NOTES.

A cloudy day with moderately high temperatures and light occasional showers closing the morning hours.
Ombrometer cleaned this morning.
Total eclipse of the moon; the phenomena began at 10.37 pm and continued until the 22nd. On account of cloudy skies the eclipse beginning was not visible.

Prepared by _____
Verified by C. M. Donnegan

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) [illegible], (*Day of week*) [illegible], (*Date*) [illegible], 192

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	58	57	58	58	57	56	55	54	54	55	56	57
State of weather. Nature of precipitation and time of beginning and ending					RB 0:44							RE 11:15
Amounts of precipitation					.01	.03	.04	.12	.03	.01	.03	T
Cloudiness and other conditions						← Cloudy						
Sunrise: Time, 4:51 Character, Cloudy												
Moonrise: 2:07p												
Sunshine (in tenths of hours)					0	0	0	0	0	0	0	0
Wind direction	S	SE	SE	SE	SE	S	SE	SE	SE	SE	SE	SE
Wind movement	5	7	7	8	12	15	15	16	18	18	17	17

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	59	60	62	64	63	63	61	55	56	55	54	54
State of weather. Nature of precipitation and time of beginning and ending		RB 1:05		RE 3:10 RB 3:50	RE 4:40		RB 6:45					RE 11:15
Amounts of precipitation		T	T	T	.01		.13	.12	.02	.03	T	T
Cloudiness and other conditions				← Cloudy								
Sunset: Time, 6:12 Character, Cloudy												
Moonset: 2:03a												
Sunshine (in tenths of hours)	0.4	0	0	0.3	0	0	0					
Wind direction	S	S	S	SE	S	S	SE	SW	SW	SW	W	W
Wind movement	18	11	11	13	13	14	13	14	7	12	15	15

Maximum velocities (exceeding 22 miles) direction and time.

Excessive precipitation, accumulated amounts.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
64	54	59	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .04 ins.; to 7 p. m., .22 ins.

Total precipitation, midnight to midnight, [illegible] inches.

Character of day, Cloudy Moon phase, Full [illegible]

Average daily cloudiness (0-10), 10

Actual sunshine, hours, 0.4 Possible sunshine, hours, 13.6

Per cent of possible sunshine, 3

Prevailing wind direction, S.E. Total wind [illegible]

Average hourly velocity, 13.0 Extreme velocity, [illegible]

Maximum velocity, 29 Direction, [illegible]

Time began, 6:05 p.m.

Reduced barometer, 29.68 7 a. m. 29.39 7 p. m.

River gage, 7.6 Feet

Relative humidity, 82 7 a. m. 87 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

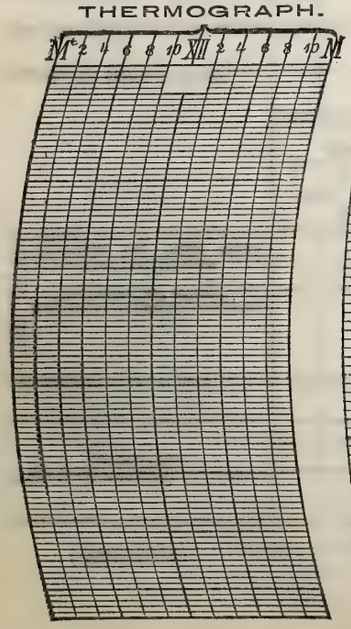
Dry temperature, 55.7 Wet temperature, 54.0

Dew-point, 53 R. humidity, 92 V. pressure, [illegible]

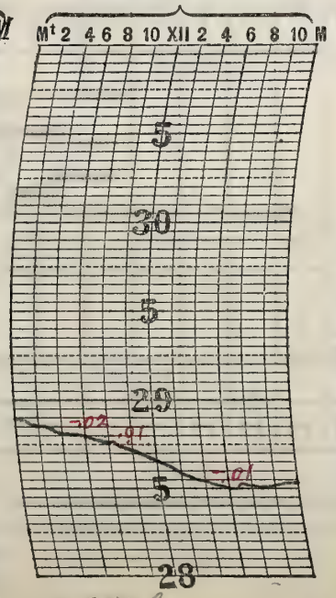
Clouds: Amount, 10; Kind, St Cu; Direction, [illegible]

Velocity of clouds (miles per hour)

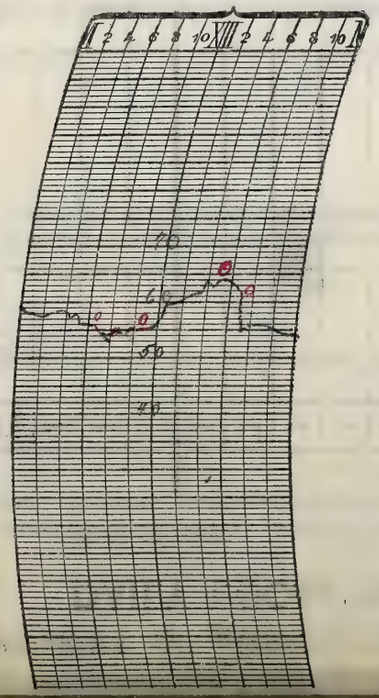
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The eclipse of the moon which began on the 21st reached totality at 1:34 a.m., and totality ended at 2:53 a.m. The eclipse ended at 4:32 a.m. On account of cloudy conditions the phenomenon was not visible at the [illegible]

A cloudy day with moderate temperatures and frequent showers.

Prepared by [illegible]

Verified by [illegible]

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) ....., (*Day of week*) ....., (*Date*) ....., 192

Time (local standard). 90 mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	52	51	50	50	49	49	48	49	49	49	51	52
State of weather. Nature of precipitation and time of beginning and ending							RB 6:18 RE 6:30					
Amounts of precipitation							T					
Cloudiness and other conditions						← Cloudy						

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	52	54	59	61	63	62	60	59	57	56	57	57
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												

Sunrise: Time, 4:50 Character, Cloudy

Moonrise: 8:08 p.

Sunset: Time, 6:29 Character, Cloudy

Moonset: 5:42 a

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Sunshine (in tenths of hours)					0	0	0	0	0	0	0	0
Wind direction	S	SW	W	W	W	W	W	W	W	W	W	W
Wind movement	14	13	14	15	12	13	15	14	15	15	17	15

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Sunshine (in tenths of hours)	0	0.3	1.0	1.0	1.0	0.5	0					
Wind direction	W	W	W	W	W	W	W	S	S	S	SW	S
Wind movement	18	15	15	14	10	9	4	5	8	8	8	6

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
63	48	56	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0.0 ins.; to 7 p. m., — ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Cloudy Moon phase, ...

Average daily cloudiness (0-10), 8

Actual sunshine, hours, 3.8 Possible sunshine, hours, 13.6

Per cent of possible sunshine, 28

Prevailing wind direction, W Total wind 287

Average hourly velocity, 12.0 Extreme velocity, 21

Maximum velocity, 21 Direction, W

Time began, 11:35 a.m.

Reduced barometer, 29.57 a. m. 29.50, p. m.

River gage, 8.2 Fall

Relative humidity, 81 7 a. m. 81 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

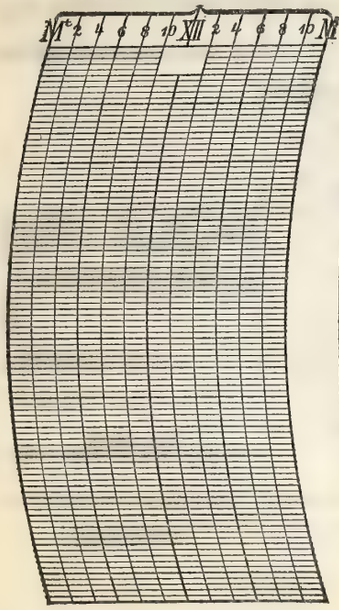
Dry temperature, 52.0 Wet temperature, 49.0

Dew-point, 46 R. humidity, 81 V. pressure, ...

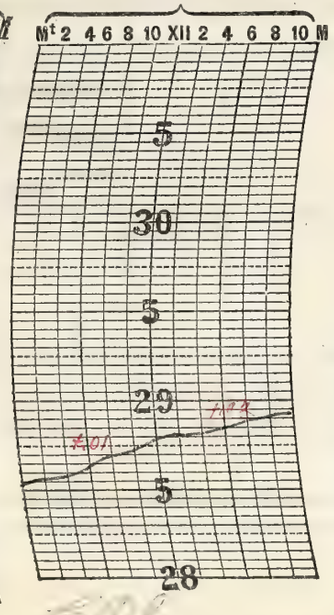
Clouds: Amount, 10; Kind, St; Direction, NW

Velocity of clouds (miles per hour)

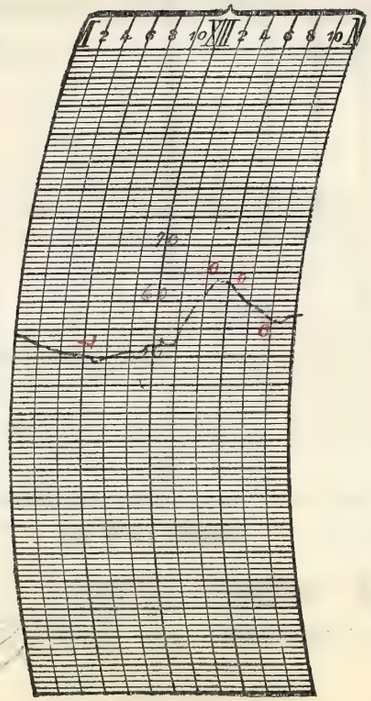
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A cloudy day with moderate temperatures.

Prepared by .....

Verified by C. M. Pennypacker

S—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) APR 2 1913, 192

Time (local standard). 75th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	57	57	57	56	56	57	61	65	70	73	75	77
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Clear						
Sunshine (in tenths of hours)					0	0.2	1.0	1.0	1.0	1.0	1.0	1.0
Wind direction	SE	SE	SE	S	S	S	S	S	SW	SW	SW	SW
Wind movement	6	9	11	10	9	9	11	16	17	20	24	23
Maximum velocities (exceeding 22 miles) direction and time												

Sunrise: Time, 4:48 Character, Cloudy
Moonrise: 9:04 p

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	80	80	79	77	76	74	73	71	70	69	69	68
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions		Pt. Cloudy				×	Cloudy					
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.8	0	0	0					
Wind direction	SW	SW	SW	SW	SW	S	S	S	S	S	SW	SW
Wind movement	24	25	26	23	16	11	10	10	11	13	14	12
Maximum velocities (exceeding 22 miles) direction and time		31 SW 1:33	31 SW 2:19									

Sunset: Time, 6:30 Character, Cloudy
Moonset: 6:24 a

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
80	56	68	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy. Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 10.0 Possible sunshine, hours, 13.2
Per cent of possible sunshine, 73
Prevailing wind direction, SW Total wind 350
Average hourly velocity, 14.9 Extreme velocity, 35
Maximum velocity, 31 Direction, SW
Time began, 1:33 p.m.
Reduced barometer, 29.84 7 a. m. 29.51 7 p. m.
River gage, 10.9 [illegible]
Relative humidity, 67 7 a. m. 57 7 p. m.

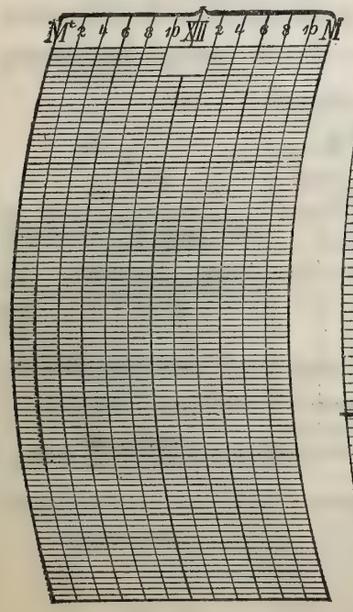
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

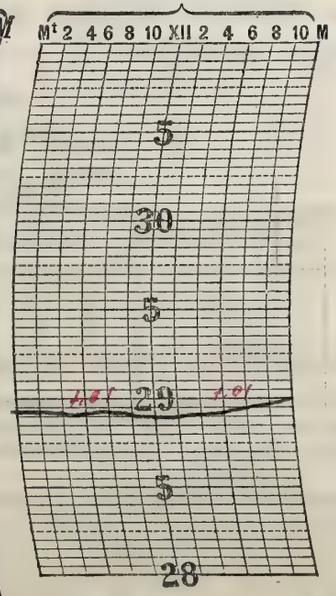
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 76.0 Wet temperature, 64.0
Dew-point, 57 R. humidity, 52 V. pressure, [illegible]
Clouds: Amount, 3; Kind, Cu St.; Direction, [illegible]
Velocity of clouds (miles per hour)

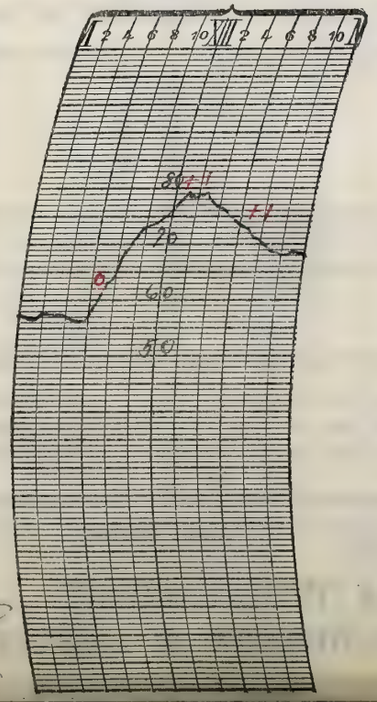
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A fourth cloudy day with moderately high temperatures and moderate southerly winds.

Prepared by [illegible]
Verified by C. M. Donovan

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) _____, (Date) _____, 192

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	67	65	63	64	63	64	65	70	73	76	78	78
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Cloudy ×			Pl. Cloudy ×			
Sunshine (in tenths of hours)					0	0	0	0.1	1.0	1.0	1.0	0.8
Wind direction	SW	S	S	S	S	S	S	S	S	S	S	S
Wind movement	10	8	8	10	9	7	7	9	15	17	16	20

Sunrise: Time, 4:47; Character, Cloudy. Moonrise: 9:52 p.

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	75	71	66	66	67	66	66	66	67	67	67	67
State of weather: Nature of precipitation and time of beginning and ending		RB 1:05			R 4:18				RB 8:05 R 8:28			
Amounts of precipitation		T	.04	.07	T				.02			
Cloudiness and other conditions			Cloudy						× Pl. Cloudy →			
Sunshine (in tenths of hours)	0.7	0	0	0	0	0	0					
Wind direction	S	SW	SW	SW	S	SE	SE	SE	SE	SE	S	S
Wind movement	19	14	17	12	7	8	9	6	10	14	14	15

Sunset: Time, 6:31; Character, Cloudy. Moonset: 9:10 a.

Maximum velocities (exceeding 32 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
78	63	70	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., [illegible] ins.

Total precipitation, midnight to midnight, [illegible] inches.

Character of day, Cloudy Moon phase, _____

Average daily cloudiness (0-10), 8

Actual sunshine, hours, 4.6 Possible sunshine, hours, 12.7

Per cent of possible sunshine, 34

Prevailing wind direction, S Total wind 220

Average hourly velocity, 11.2 Extreme velocity, 34

Maximum velocity, 34 Direction, S

Time began, 11:42 a.m.

Reduced barometer, 30.02 a. m. 30.00, p. m.

River gage, 9.7 Feet

Relative humidity, 67 a. m. 84 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

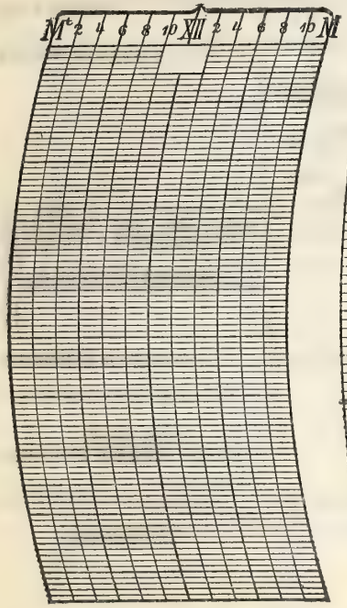
Dry temperature, 77.2 Wet temperature, 68.2

Dew-point, 64 R. humidity, 63 V. pressure, .535

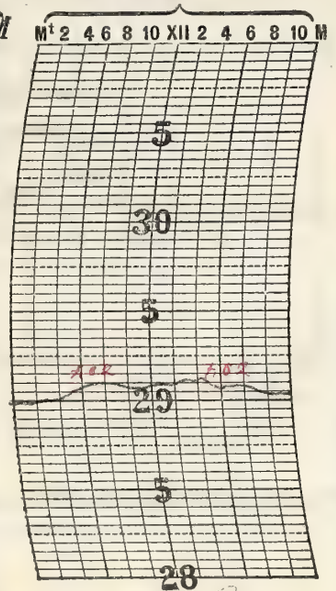
Clouds: Amount, 6 ; Kind, Cu ; Direction, [illegible]

Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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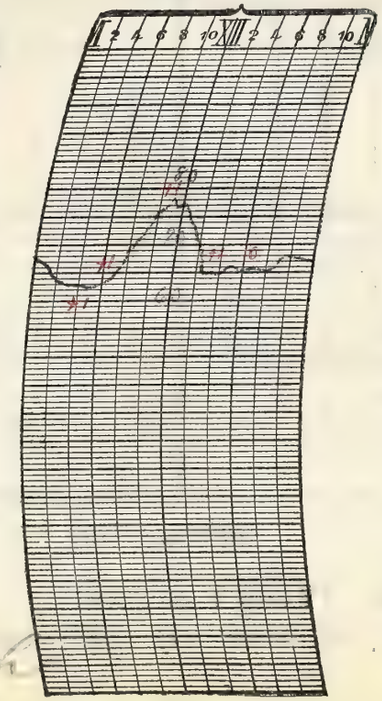


NOTES.

Thunderstorm. First thunder heard at 1:12 p.m., last heard at 1:30 p.m. the storm moved from the west and was of light intensity.

A cloudy and warm day with moderate to rather brisk winds and a thunderstorm noted above.

Prepared by _____

Verified by T. M. Donovan

8—186

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) [illegible], (Date) [illegible], 192

Time (local standard). 90 mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	66	66	64	63	63	63	63	65	70	74	75	76
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Pt Cloudy ×				Cloudy		
Sunrise: Time, Character, 4:45 Cloudy												
Moonrise: 10:46p												
Sunshine (in tenths of hours)					0	0	0	0	0.5	1.0	1.0	1.0
Wind direction	S	S	S	S	SW	SW	S	S	S	S	S	S
Wind movement	14	15	13	11	8	7	9	11	12	13	14	15
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	76 RB 12:55	78 RE 1:02	78	77	77	75	65 RB 6:25	66 RE 7:45	67	67	67	66 RB 11:26
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation	T	T					.13	.03				.01
Cloudiness and other conditions		×	Pt Cloudy			×	Cloudy					→
Sunset: Time, Character, 6:32 Cloudy												
Moonset: 7:59a												
Sunshine (in tenths of hours)	0.8	1.0	1.0	0.9	0.3	0.1	0					
Wind direction	S	SW	S	S	S	SE	SE	SE	S	S	SE	SE
Wind movement	14	12	13	12	8	6	12	11	8	12	13	12

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
78	63		

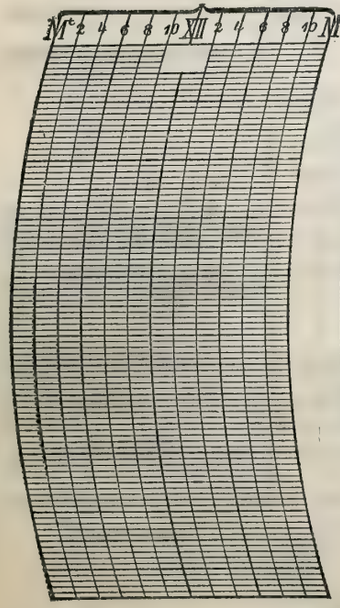
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 02 ins.; to 7 p. m., 17 ins.
Total precipitation, midnight to midnight, .17 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0–10), 7
Actual sunshine, hours, 7.6 Possible sunshine, hours, 13.8
Per cent of possible sunshine, 55
Prevailing wind direction, S Total wind
Average hourly velocity, 12.3 Extreme velocity,
Maximum velocity, 27 Direction, S
Time began, 6:38 p m
Reduced barometer, 29.99 7 a. m. 29.97 7, p. m.
River gage, 8.4 Feet
Relative humidity, 90 7 a. m. 95 7 p. m.

	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

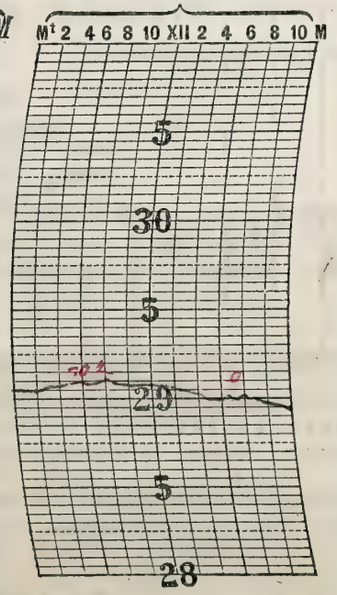
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 77.0 Wet temperature, 66.0
Dew-point, 60 R. humidity, 56 V. pressure, .517
Clouds: Amount, 7; Kind, Ast; Direction, SW
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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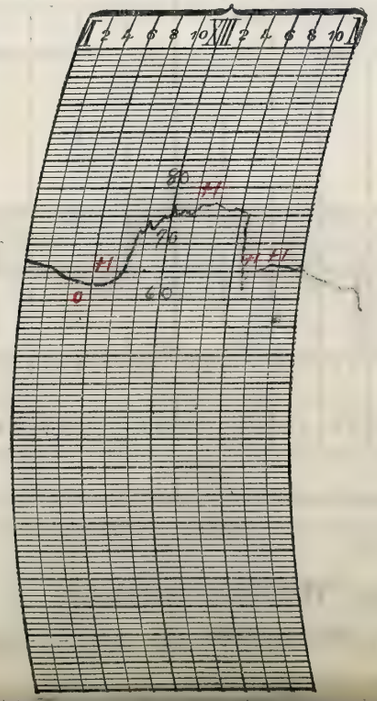


NOTES.

Thunderstorm: First thunder heard at 6:20 p.m. Last thunder heard at 7:30 p.m. The storm was of light intensity, accompanied by light precipitation and moved from the south.

A partly cloudy day with moderately high temperature and southerly winds.

Rainbow was observed toward evening of this date.

Prepared by [illegible]
Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) _____, (Date) _____, 192

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	65	64	63	63	61	58	57	53	53	54	55	57
State of weather: Nature of precipitation and time of beginning and ending							RE 6:10	RB 7:28 RE 7:35				
Amounts of precipitation	T	.01	.01	.06	.08	.03	.01	T				
Cloudiness and other conditions	← Cloudy →										PC	Cloudy
Sunrise: Time, Character,	4:44 Cloudy											
Moonrise:	4:29p											
Sunshine (in tenths of hours)					0	0	0	0	0	0.1	0.7	0.9
Wind direction	SE	SE	SE	SE	SE	SW	SW	SW	SW	SW	SW	SW
Wind movement	12	12	11	12	15	17	22	22	24	26	26	28
Maximum velocities (exceeding 22 miles) direction and time									31 SW 8:32	31 SW 9:20	30 SW 10:20	32 SW 11:39

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	60	59	59	57	57	54	53	52	50	50	50	49
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Cloudy					Clear						
Sunset: Time, Character,									6:23 Clear			
Moonset:									8:51a			
Sunshine (in tenths of hours)	1.0	0.9	1.0	1.0	1.0	0.8	0.5					
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	S	S
Wind movement	33	30	29	27	21	19	15	12	9	9	9	9
Maximum velocities (exceeding 22 miles) direction and time	38 SW 12:45	37 SW 1:26	35 SW 2:23	33 SW 3:07	SW 4:[illegible]							

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
66	49	55.8	

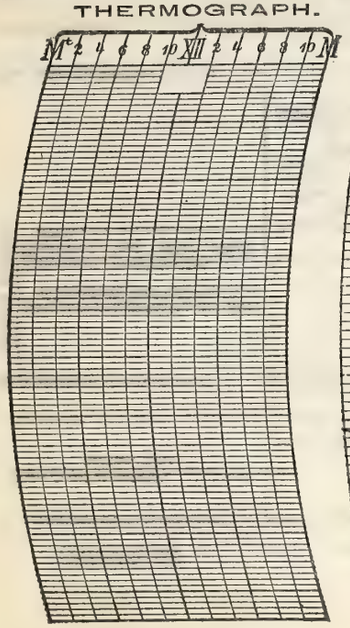
Total depth of snow for 24 hours ending 7 p. m., ____ inches.
Snow, sleet, and hail on ground 7 p. m., ____ inches.
Total snowfall, midnight to midnight, ____ inches.
Precipitation to 7 a. m., .05 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .06 inches.
Character of day, Clear Moon phase, ____
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 8.2 Possible sunshine, hours, 14.8
Per cent of possible sunshine, 55
Prevailing wind direction, SW Total wind 430
Average hourly velocity, 18.8 Extreme velocity, 44
Maximum velocity, 38 Direction, SW
Time began, 12:45 p.m.
Reduced barometer, 29.75 7 a. m. 29.[illegible] 7, p. m.
River gage, 7.7 Feet
Relative humidity, 87 7 a. m. 71 7 p. m.

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

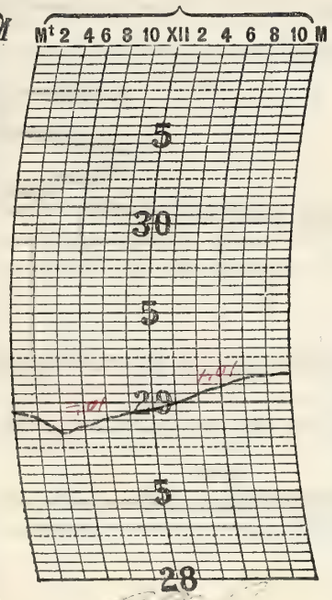
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 57.8 Wet temperature, 53.8
Dew-point, 49 R. humidity, 72 V. pressure, ____
Clouds: Amount, 9; Kind, Stcu; Direction, SW
Velocity of clouds (miles per hour) ____

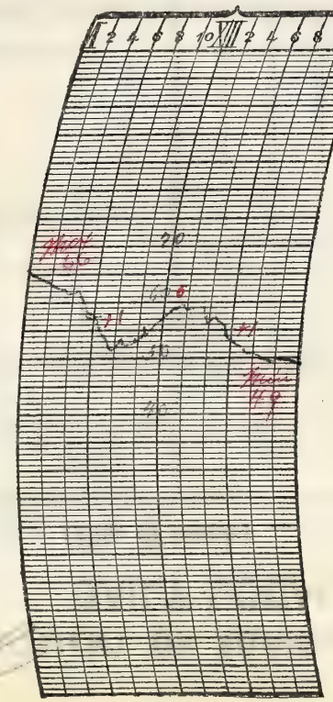
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A hazily cloudy day with moderate temperatures and strong southwesterly winds.

A rainbow was observed toward evening of this date.

Prepared by _____
Verified by _____

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) ....., (*Day of week*) ....., (*Date*) ....., 192

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	47	46	46	47	48	50	52	58	61	63	65	66
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Clear →				Cloudy		
Sunshine (in tenths of hours)					.28 0	0.8 0.2	0.8	0.9	1.0	1.0	1.0	0.6
Wind direction	S	S	S	S	S	S	S	S	SW	S	SW	SW
Wind movement	7	7	7	6	7	8	8	7	10	11	12	12

Sunrise: Time, 4:43 Character, Clear

Moonrise: 11:59 P.

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	62 RB 12:00 RE 12:09	62	49 RB 2:19	49	50	50	50	50	50	50 RE 9:30	49	49
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation	T		.02	.07	.04	.03	.04	.03	.05	.01		
Cloudiness and other conditions				Cloudy								
Sunshine (in tenths of hours)	0.3 0	0.6 0	0	0	0	0	0					
Wind direction	S	SE	SW	NW	NW	N	NE	E	NW	N	NE	NE
Wind movement	4	4	11	10	8	6	5	5	4	3	6	7

Sunset: Time, 6:34 Character, Cloudy

Moonset: 9:44 A

Maximum velocities (exceeding 60 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
65	46	56	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., .20 ins.

Total precipitation, midnight to midnight, .20 inches.

Character of day, Cloudy Moon phase, ...

Average daily cloudiness (0-10), 8

Actual sunshine, hours, 2.5 Possible sunshine, hours, 12.1

Per cent of possible sunshine, 34

Prevailing wind direction, S Total wind 121

Average hourly velocity, 7.5 Extreme velocity, 21

Maximum velocity, 22 Direction, SW

Time began, 2:00 P.M.

Reduced barometer, 29.[illegible] 7 a. m. [illegible], p. m.

River gage, 7.4 F rise

Relative humidity, 76 7 a. m. 92 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

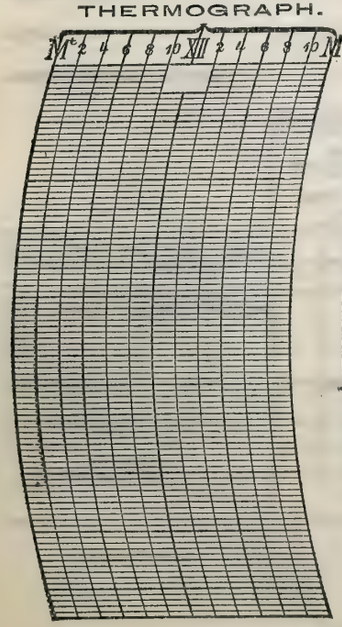
Dry temperature, 62.8 Wet temperature, 51.0

Dew-point, 40 R. humidity, 43 V. pressure, 24.7

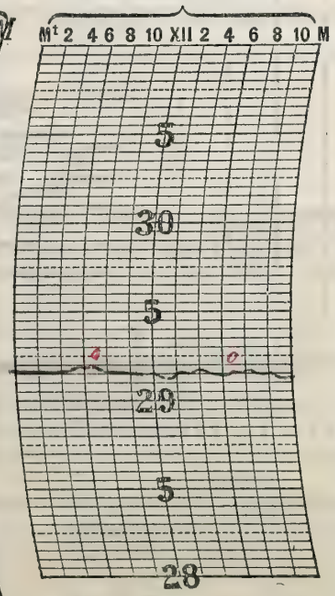
Clouds: Amount, 5 ; Kind, Strat.; Direction, N.E.

Velocity of clouds (miles per hour).....

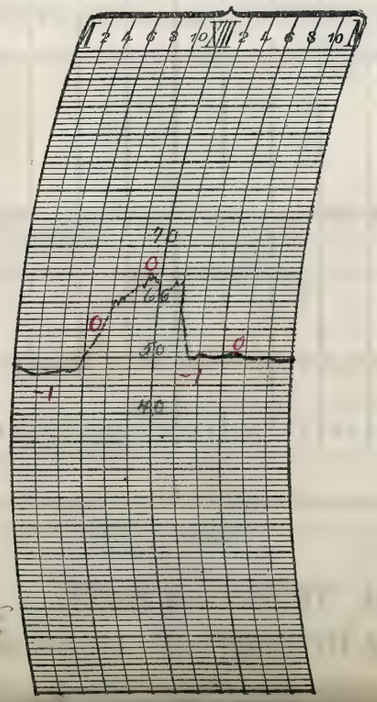
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A cloudy day with moderate temperatures and rain during the afternoon and early night hours.

Prepared by .....

Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, *(Day of week)* _____, *(Date)* _____, 192

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	49	50	50	49	49	49	50	50	51	46	44	41
State of weather: Nature of precipitation and time of beginning and ending			RG DNR		RF DNR			RB 7:07 RF 7:38	RB 8:20			
Amounts of precipitation			T	.01	.01			0.2	.03	.02	.03	.01
Cloudiness and other conditions						Cloudy						
Sunshine (in tenths of hours)					0	0	0	0	0	0	0	0
Wind direction	E	E	N	N	N	N	N	N	N	N	NW	NW
Wind movement	6	6	5	4	4	4	6	8	9	12	22	23
Maximum velocities (exceeding 7 miles) direction and time												30 NW 11:02

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	42	42	43	45	47	46	46	45	45	44	44	43
State of weather: Nature of precipitation and time of beginning and ending				RE 3:35								
Amounts of precipitation	T	.03	.03	T								
Cloudiness and other conditions				Cloudy								
Sunshine (in tenths of hours)	0	0	0	0	0	0	0					
Wind direction	NW	N	N	NW	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	20	15	14	14	12	11	9	7	4	4	5	3
Maximum velocities (exceeding 7 miles) direction and time												

Sunrise: Time, 4:41; Character, Cloudy. Moonrise: —

Sunset: Time, 6:35; Character, Cloudy. Moonset: 10:00 p.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
51	41	46	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .11 ins.; to 7 p. m., .17 ins.

Total precipitation, midnight to midnight, .28 inches.

Character of day, Cloudy. Moon phase, 4.9 days p.

Average daily cloudiness (0-10), 10

Actual sunshine, hours, 0 Possible sunshine, hours, 13.2

Per cent of possible sunshine, 0

Prevailing wind direction, NW Total wind 2017

Average hourly velocity, 9.5 Extreme velocity, 32

Maximum velocity, 30 Direction, NW

Time began, 11:02 a.m.

Reduced barometer, 30.01 a. m. 30.21 p. m.

River gage, 6.7 Fall

Relative humidity, 90 a. m. 82 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

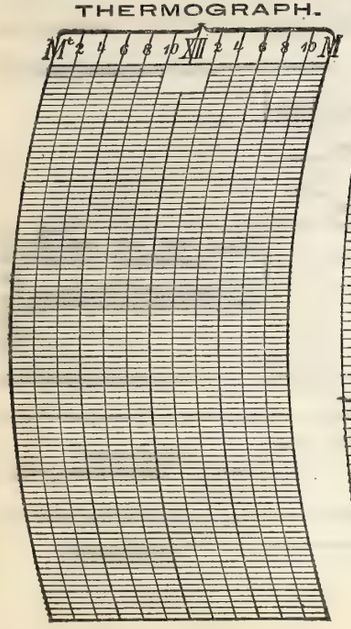
Dry temperature, 42.7 Wet temperature, 40.6

Dew-point, 38 R. humidity, 84 V. pressure, .228

Clouds: Amount, 10; Kind, Nb; Direction, NW.

Velocity of clouds (miles per hour)

THERMOGRAPH.



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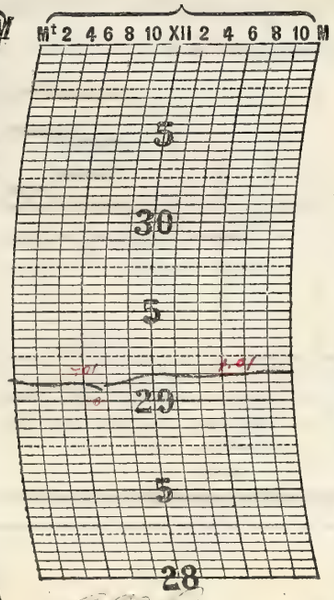

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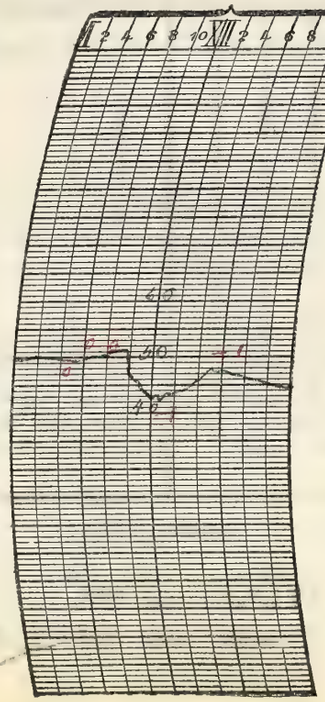


NOTES.

A cloudy and cool day with northerly breeze and light rain falling during the major portion of the daylight hours.

Prepared by _____

Verified by R. McDonnell

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) [illegible], 192

Time (local standard). 90 mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	42	41	41	40	40	41	44	47	51	52	54	55	55	56	56	55	53	52	50	47	46	44	43	42
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						← Clear											Clear							→
Sunshine (in tenths of hours)					0	0	0.7	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0					
Wind direction	NW	NW	N	NW	NW	NW	NW	NW	N	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	N	NW	NW	NW	NW
Wind movement	5	6	4	5	8	7	9	12	10	11	16	16	17	17	20	19	21	17	12	11	8	8	8	7
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 4:40 Character, Cloudy

Moonrise: 12:42a

Sunset: Time, 6:36 Character, Clear

Moonset: 11:36a

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
57	40	48	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to [illegible] p. m., 0 ins.

Total precipitation, midnight to midnight, [illegible] inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0–10),

Actual sunshine, hours, 12.1 Possible sunshine, hours, 13.7

Per cent of possible sunshine, 87

Prevailing wind direction, NW Total wind [illegible]

Average hourly velocity, 11.3 Extreme velocity, [illegible]

Maximum velocity, 25 Direction, NW

Time began, 2:53 P.M.

Reduced barometer, 30.11 a. m. 30.05 p. m.

River gage, 8.7 Feet

Relative humidity, 78 a. m. 86 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

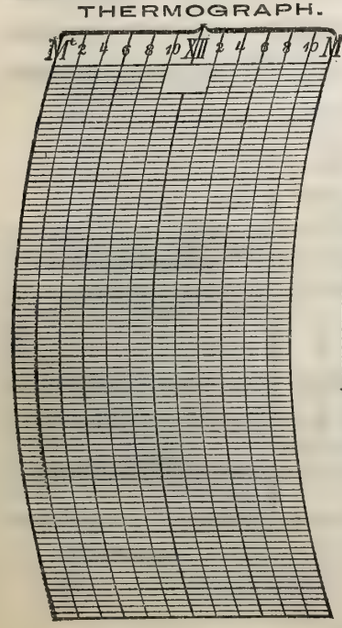
Dry temperature, 51.1 Wet temperature, 46.0

Dew-point, 36 R. humidity, 49 V. pressure, .216

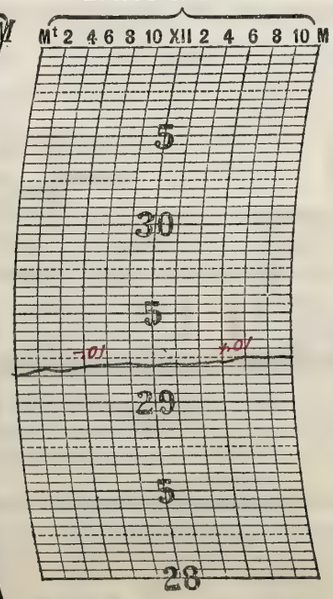
Clouds: Amount, 3; Kind, Cu.; Direction, NW

Velocity of clouds (miles per hour)

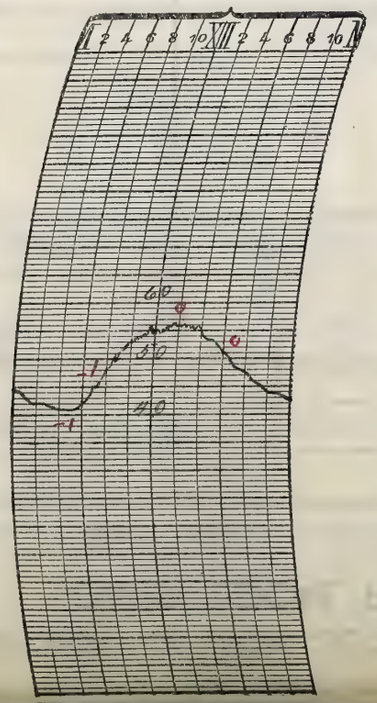
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A clear and moderately cool day with light northerly and northwesterly winds.

Prepared by [illegible]

Verified by P. M. Romaugh

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) Sunday, (Date) _____, 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	41	41	40	39	38	39	41	44	48	50	52	55
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Clear						
Sunrise: Time, 4:32 Character, Clear												
Moonrise: 11:40a												
Sunshine (in tenths of hours)					.35 0	0.8 0.2	1.0	1.0	1.0	1.0	1.0	1.0
Wind direction	N	N	N	NW	N	N	N	NE	N	N	N	N
Wind movement	6	7	7	8	7	6	8	10	9	12	12	12
Maximum velocities (exceeding 20 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	56	56	57	57	56	55	54	53	51	47	46	44
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Clear				→ Pt. Cloudy				→			
Sunset: Time, 6:37 Character, Cloudy												
Moonset: 10:23p												
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.4	0					
Wind direction	N	N	N	N	N	NE	NE	NE	N	N	N	N
Wind movement	11	12	12	11	12	12	9	7	6	9	6	6
Maximum velocities (exceeding 20 miles) direction and time												

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

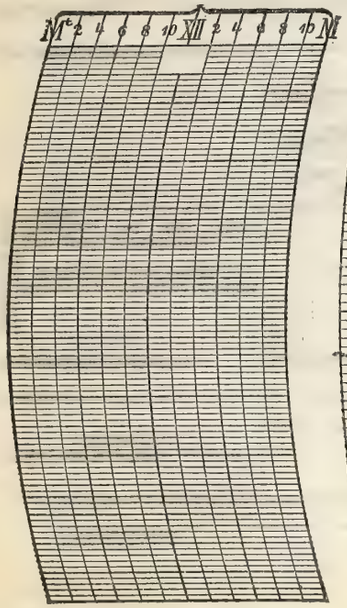
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
57	38	48	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, _____
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 12.8 Possible sunshine, hours, 14.0
Per cent of possible sunshine, 91
Prevailing wind direction, N Total wind 215
Average hourly velocity, 9.0 Extreme velocity, 15
Maximum velocity, 15 Direction, N
Time began, 11:42 a.m.
Reduced barometer, 30.22 7 a. m. 30.11 7 p. m.
River gage, 8.9 Fall
Relative humidity, 83 7 a. m. 62 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 52.5 Wet temperature, 49.0
Dew-point, 42 R. humidity, 64 V. pressure, 0.26
Clouds: Amount, 1; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

THERMOGRAPH.



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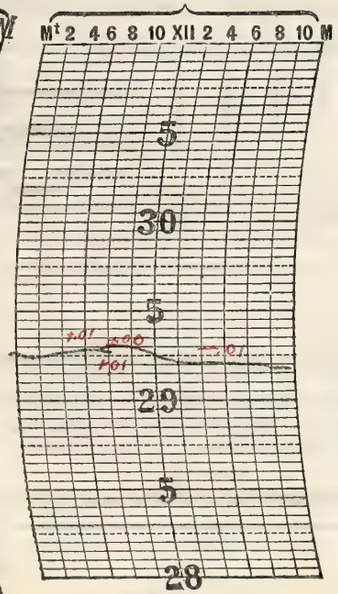

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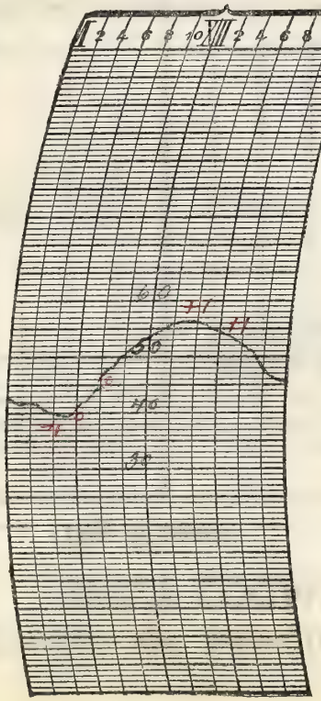


NOTES.

Light frost in the early morning.
Cold, penetrating northerly winds during the day — Mostly clear during the day and late night, but some cirrus clouds from the west in the afternoon, changing to strato cumulus after 6 p.m.

Prepared by _____
Verified by C. M. Donoghue

8—186

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) [illegible], (Date) [illegible], 192

Time (local standard). 90 mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	44	42	41	39	39	39	44	44	44	44	44	43
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions								Cloudy				
Sunshine (in tenths of hours)					0	0	0	0	0	0	0	0
Wind direction	NE	NE	NE	NE	NE	N	NE	NE	NE	NE	NE	NE
Wind movement	8	8	8	8	9	9	9	10	10	11	11	12
Maximum velocities (exceeding 30 miles) direction and time												

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	42	42	41	41	40	39	40	40	40	40	40	40
State of weather. Nature of precipitation and time of beginning and ending				HB 3.07						BE 9.35		
Amounts of precipitation				T	T	.02	T	T	T	T		
Cloudiness and other conditions							Cloudy					
Sunshine (in tenths of hours)	0	0	0	0	0	0	0					
Wind direction	NE	N	N	N	N	N	N	NE	NE	NE	NE	NE
Wind movement	12	11	9	10	8	9	6	10	11	9	9	10
Maximum velocities (exceeding 30 miles) direction and time												

Sunrise: Time, 4:32 Character, Cloudy
Moonrise: 1:44a

Sunset: Time, 6:38 Character, Cloudy
Moonset: 1:30p

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
45	39	42	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 2 p. m., .02 ins.
Total precipitation, midnight to midnight, .02 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0–10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 10.2
Per cent of possible sunshine, 0
Prevailing wind direction, NE Total wind [illegible]
Average hourly velocity, 9.4 Extreme velocity,
Maximum velocity, 14 Direction,
Time began, 12:48 p.m.
Reduced barometer, 30.[illegible] 2 a. m. 30.[illegible] 2 p. m.
River gage, 7.3 Feet
Relative humidity, 70 2 a. m. 88 2 p. m.

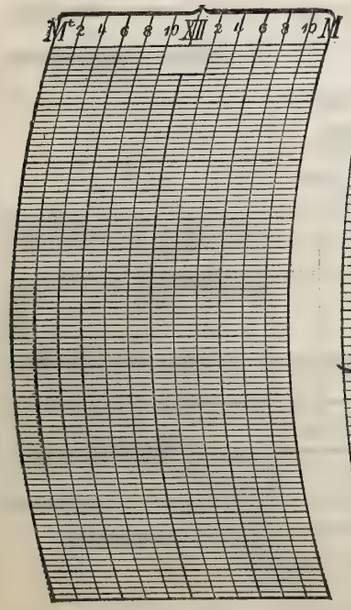
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

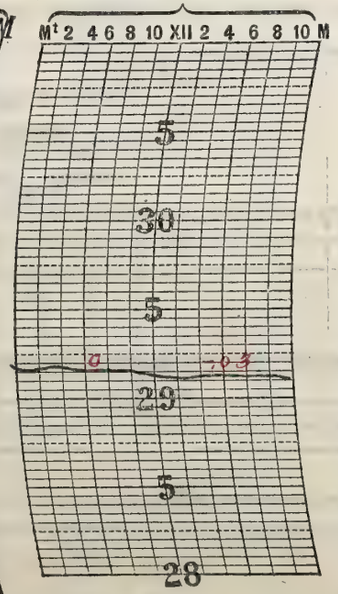
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 44.0 Wet temperature, 41.0
Dew-point, 38 R. humidity, 78 V. pressure, [illegible]
Clouds: Amount, 10; Kind, St Cu; Direction, N
Velocity of clouds (miles per hour)

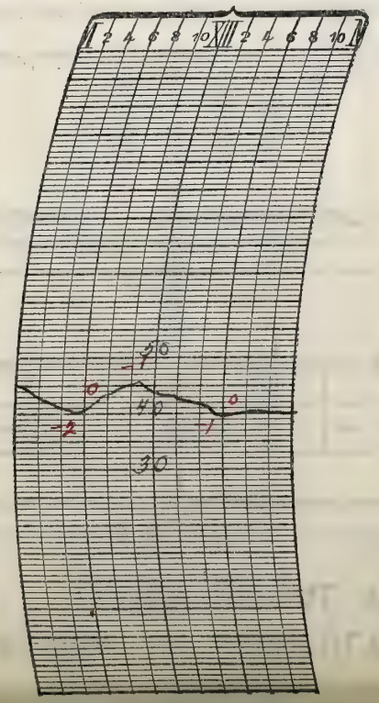
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A cloudy and cool day with raw northerly winds and light rain during the late afternoon and early night hours.

Prepared by [illegible]
Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) M, 192

Time (local standard). 90th mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	40	40	40	40	39	39	40	41	42	44	44	45
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Cloudy						
Sunshine (in tenths of hours)					0	0	0	0	0	0	0	0
Wind direction	NE	NE	NE	NE	NE	NE	N	N	N	NE	N	N
Wind movement	11	11	12	11	11	10	9	11	11	12	11	11

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	45	45	46	46	47	48	47	46	46	45	45	43
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions			Cloudy				→ P. Cloudy					
Sunshine (in tenths of hours)	0	0	0	0	0	0	0					
Wind direction	N	N	N	N	N	N	N	N	N	N	NW	N
Wind movement	12	11	11	9	10	10	11	8	8	9	10	8

Sunrise: Time, 4:36 Character, Cloudy
Moonrise: 2:14a

Sunset: Time, 6:39 Character, Cloudy
Moonset: 2:29p

Maximum velocities (exceeding 30 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

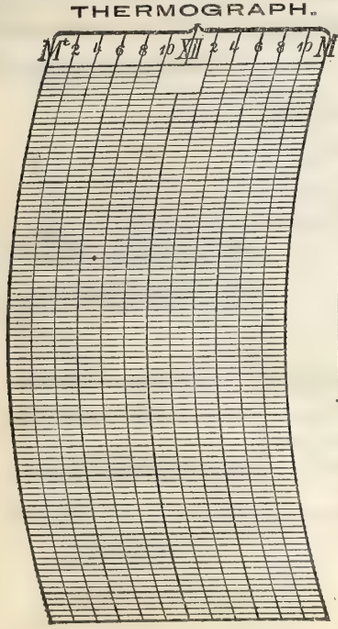
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
48	39	44	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 14.0
Per cent of possible sunshine, 0
Prevailing wind direction, N Total wind 248
Average hourly velocity, 10.3 Extreme velocity, 18
Maximum velocity, 17 Direction, NE
Time began, 2:48 A.M.
Reduced barometer, 29.04 7 a. m. 29.09 7 p. m.
River gage, 6.2 Frozen
Relative humidity, 90 7 a. m. 86 7 p. m.

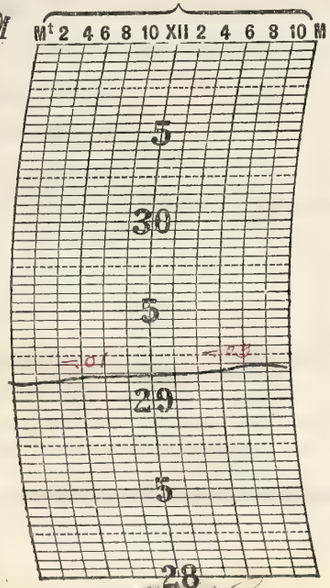
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 44.6 Wet temperature, 43.0
Dew-point, 41 R. humidity, 88 V. pressure, 0.26
Clouds: Amount, 10; Kind, St; Direction, N.
Velocity of clouds (miles per hour)

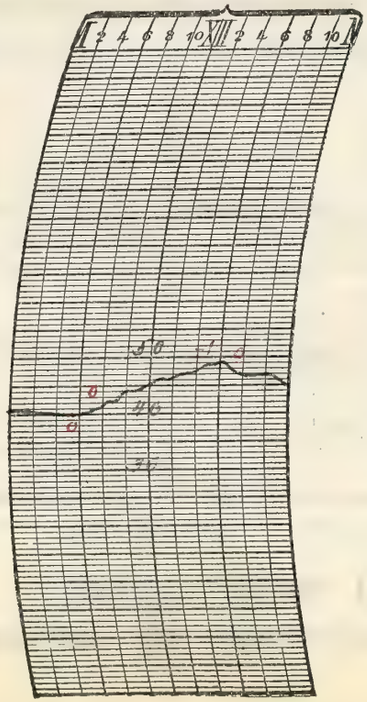
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Cloudy and so the cool day with some trailing northerly winds

Prepared by

Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) ....., (*Day of week*) ....., (*Date*) ....., 192

Time (local standard). 90° mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	43	43	44	45	47	46	48	55	58	57	61	62
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Clear				× Pt. Cloudy		
Sunrise: Time, Character,	4:35 Clear											
Moonrise:	2:44a											
Sunshine (in tenths of hours)					0	0.2 (.42 0.8)	1.0	1.0	1.0	0.9	1.0	0.9
Wind direction	NW	NW	N	N	N	N	N	N	N	N	N	N
Wind movement	7	9	8	8	8	10	11	12	11	13	17	15
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	62	62	63	65	64	62	60	58	56	54	53	52
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Cloudy			×	Pt. Cloudy							→
Sunset: Time, Character,									6:40 Cloudy			
Moonset:									3:50p			
Sunshine (in tenths of hours)	0.4	0	0.6	0.4	0.9	0.3	0					
Wind direction	N	N	NE	N	N	N	N	N	N	N	N	N
Wind movement	15	11	13	12	14	12	9	8	7	7	8	8
Maximum velocities (exceeding 29 miles) direction and time												

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
65	43	54	

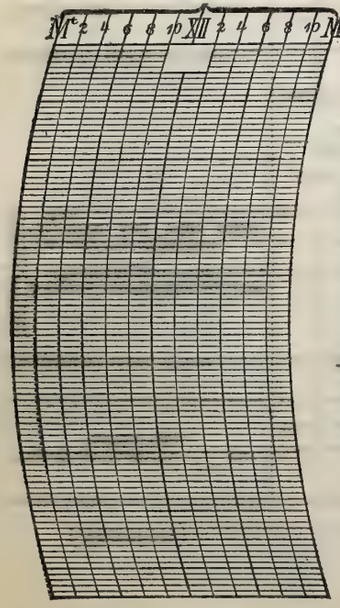
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, ... inches.
Character of day, Pt. Cloudy Moon phase, ...
Average daily cloudiness (0–10), 6
Actual sunshine, hours, 9.8 Possible sunshine, hours, 14.1
Per cent of possible sunshine, 70
Prevailing wind direction, N Total wind 252
Average hourly velocity, 10.5 Extreme velocity, ...
Maximum velocity, 18 Direction, ...
Time began, 11:50 a.m.
Reduced barometer, 30.09 7 a. m. 30.03 7 p. m.
River gage, 5.4 Feet
Relative humidity, 93 7 a. m. 59 7 p. m.

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

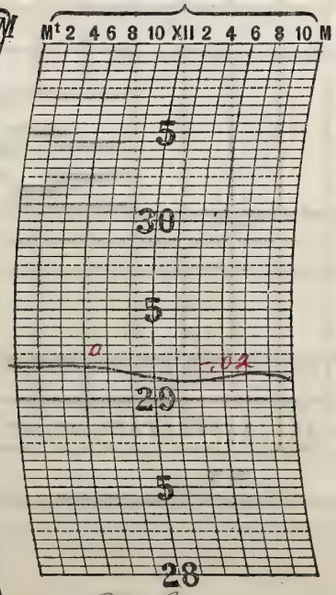
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 62.7 Wet temperature, 53.8
Dew-point, 47 R. humidity, 56 V. pressure, .322
Clouds: Amount, 3; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour) .....

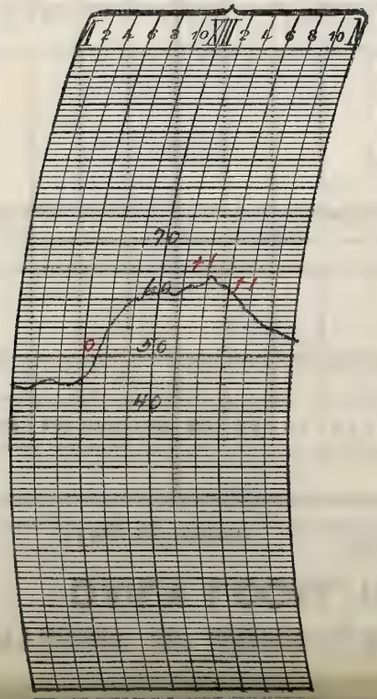
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A pleasantly cloudy day with low temperature in the morning which rose during the day and moderate northerly winds.

Prepared by .....
Verified by P. M. A. Donovan

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible] Ind, (Day of week) Thursday, (Date) ....., 192

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	51	51	51	51	51	51	53	57	61	65	67	68
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Pt Cloudy						
Sunrise: Time, 4:33 Character, Cloudy												
Moonrise: 3:16a												
Sunshine (in tenths of hours)					0	0	0.4	1.0	1.0	1.0	1.0	1.0
Wind direction	N	N	N	N	N	N	N	NE	N	NE	N	NE
Wind movement	9	11	10	7	7	8	10	12	10	11	13	15
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	68	68	68	67	68	66	64	59	57	54	53	52
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					Pt Cloudy				→ Clear			
Sunset: Time, 6:47 Character, Cloudy												
Moonset: 4:33a												
Sunshine (in tenths of hours)	0.9	0.8	0.6	0.9	0.7	0.1	0					
Wind direction	NE	NE	NE	NE	NE	NE	NE	E	E	E	E	E
Wind movement	14	16	17	17	15	14	9	7	6	6	3	2
Maximum velocities (exceeding 29 miles) direction and time												

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

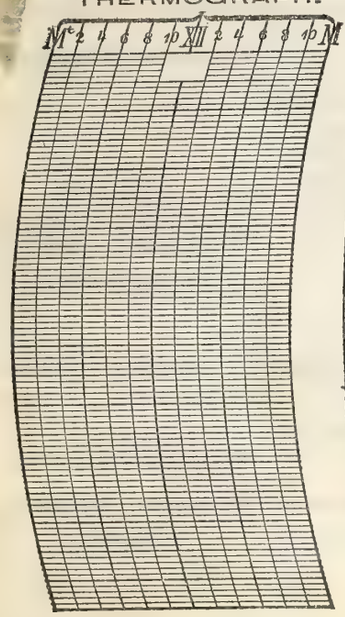
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
69	50	56	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase, ...
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 9.4 Possible sunshine, hours, 14.1
Per cent of possible sunshine, 67
Prevailing wind direction, NE Total wind 242
Average hourly velocity, 10.4 Extreme velocity, 24
Maximum velocity, 24 Direction, NE
Time began, 2:43 p. m.
Reduced barometer, [illegible] 7 a. m. [illegible] 7 p. m.
River gage, 4.8 Fall
Relative humidity, [illegible] 7 a. m. [illegible] 7 p. m.

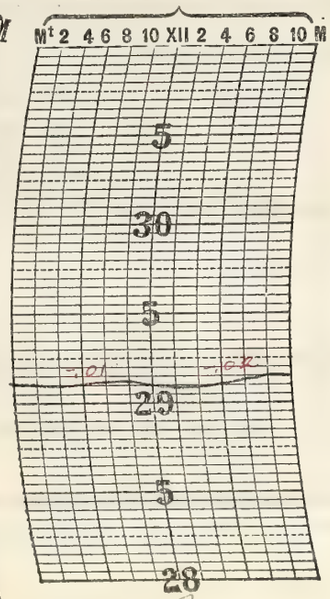
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 68.8 Wet temperature, 53.8
Dew-point, 41 R. humidity, 36 V. pressure, .256
Clouds: Amount, 3/2 ; Kind, Cu ; Direction, N
Velocity of clouds (miles per hour) .....

THERMOGRAPH.



BAROGRAPH.



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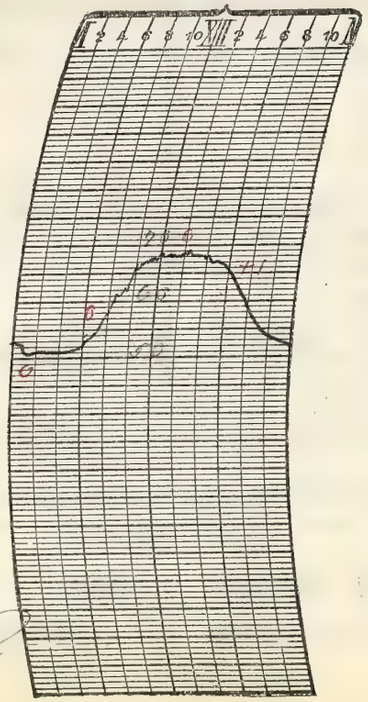


NOTES.

A healthy cloudy day with moderate temperature and an abundance of warm sunshine.

Prepared by .....
Verified by T. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) _____, (Date) _____, 192

Time (local standard). 8th mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	50	48	47	47	47	50	53	58	63	65	67	68	65	58	63	61	60	60	60	59	58	57	56	53
														HB 1:09	RE 2:20		HB 4:37 RE 4:50							
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation														T	.01		T							
Cloudiness and other conditions						← Clear					x-Pt Cldy				Cloudy									→
	Sunrise: Time, 4:32 Character, Clear																				Sunset: Time, 6:42 Character, Cloudy			
	Moonrise: 3:51a																				Moonset: 5:37p			
Sunshine (in tenths of hours)					.47 0	0.8 0.2	1.0	1.0	1.0	1.0	1.0	1.0	0.1	0	0.2	1.0	0.8	0	0					
Wind direction	E	N	N	N	N	N	N	N	NW	NW	N	N	N	NW	SW	W	NW	NW	NW	N	N	N	N	NW
Wind movement	3	5	4	5	6	3	5	8	6	8	13	14	13	20	7	13	14	13	6	7	3	5	4	3
Maximum velocities (exceeding 22 miles) direction and time																								

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
69	47	[illegible]	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., .01 ins.

Total precipitation, midnight to midnight, .01 inches.

Character of day, Pt. Cloudy Moon phase, _____

Average daily cloudiness (0-10), 5

Actual sunshine, hours, 9.6 Possible sunshine, hours, 14.2

Per cent of possible sunshine, 68

Prevailing wind direction, N Total wind 165

Average hourly velocity, 7.8 Extreme velocity, 40

Maximum velocity, 25 Direction, N

Time began, 1:37 p.m.

Reduced barometer, 30.09 7 a. m. 29.90 7 p. m.

River gage, 4.41 rise

Relative humidity, 82 7 a. m. 85 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

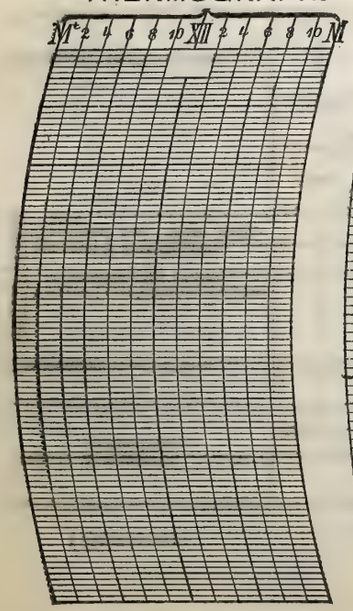
Dry temperature, 68.6 Wet temperature, 56.0

Dew-point, 46 R. humidity, 45 V. pressure, .310

Clouds: Amount, 3; Kind, Cu; Direction, NE

Velocity of clouds (miles per hour)

THERMOGRAPH.



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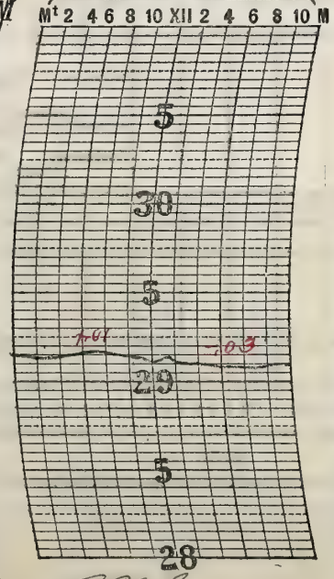
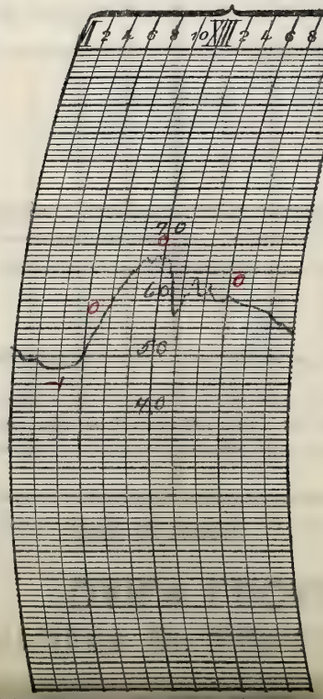


THERMOGRAPH.



NOTES.

Thunderstorm :— First thunder heard at 1:00 p.m., last thunder heard at 2:20 p.m. The storm moved from the north west of light intensity and was accompanied by a light rain.

A pretty cloudy day with moderate temperatures.

Prepared by _____

Verified by P. M. Donough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) MAY 7 1921, 192

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	51	51	50	48	48	50	52	57	61	64	65	67
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	← Cloudy											
Sunshine (in tenths of hours)					0	0	0.3	0	0.8	1.0	1.0	1.0
Wind direction	W	W	W	W	W	W	N	N	NE	E	E	NE
Wind movement	3	2	2	4	4	3	4	3	5	7	6	8
Maximum velocities (exceeding ___ miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	67	68	68	69	69	68	67	64	62	59	57	54
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Cloudy						17 Cloudy			Clear		
Sunshine (in tenths of hours)	0.8	0.8	0.8	1.0	1.0	1.0	0					
Wind direction	N	NE	N	N	N	N	N	N	N	N	N	N
Wind movement	7	9	8	8	6	5	4	3	5	6	5	4
Maximum velocities (exceeding ___ miles) direction and time												

Sunrise: Time, 4:31 Character, Cloudy
Moonrise: 4:28a

Sunset: Time, 6:43 Character, Clear
Moonset: 6:43p

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
70	48	59	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Partly Cloudy Moon phase, New 3:38
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 10.2 Possible sunshine, hours, 14.2
Per cent of possible sunshine, 72
Prevailing wind direction, N Total wind 124
Average hourly velocity, 5.2 Extreme velocity, 14
Maximum velocity, 13 Direction, N
Time began, 11:45 a.m.
Reduced barometer, 30.63 7 a. m. 30.60 7 p. m.
River gage, 4.1 Falls
Relative humidity, 80 7 a. m. 50 7 p. m.

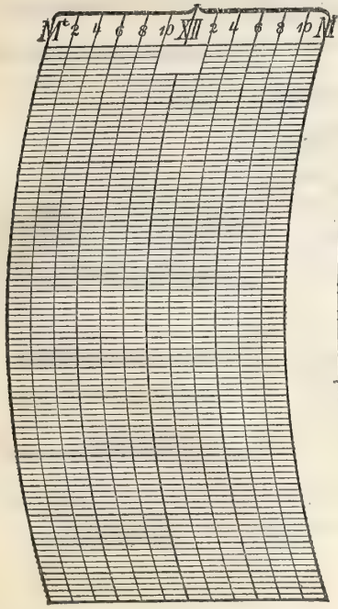
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

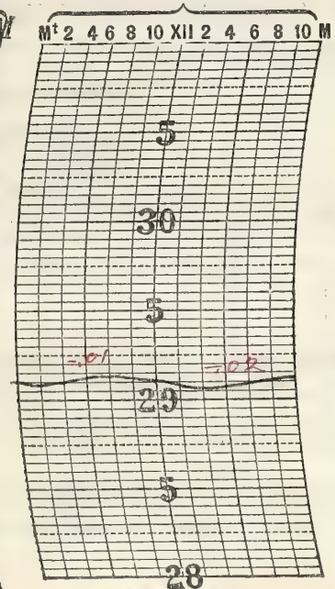
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 66.0 Wet temperature, 54.0
Dew-point, 44 R. humidity, 45 V. pressure, 28.7
Clouds: Amount, 5; Kind, Cu; Direction, N
Velocity of clouds (miles per hour)

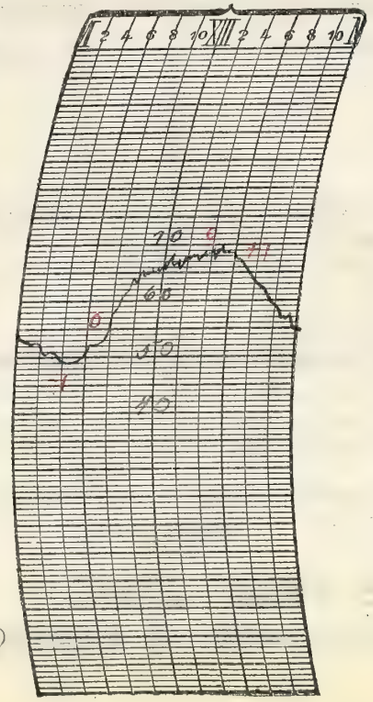
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A pleasantly cloudy day with moderate temperatures, light northerly winds and an abundance of warm sunshine.

Prepared by

Verified by P. M. Thornton

8—480

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) Sunday, (Date) May 8, 1910, 192

Time (local standard), 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	57	54	51	49	49	50	55	58	60	62	64	66
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						←			Clear			
Sunshine (in tenths of hours)					.50 / 0	0.8 / 0.2	1.0	1.0	1.0	1.0	1.0	1.0
Wind direction	NE	NE	E	SE	E	E	E	E	E	E	E	NE
Wind movement	4	6	6	5	4	3	4	5	6	6	8	5

Sunrise: Time, 4:30; Character, Clear. Moonrise: 5:10 a.

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	68	68	68	68	68	67	66	64	60	60	58	54
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					Clear							
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.4 / 0.6	.73 / 0					
Wind direction	NE	E	NE	NE	NE	E	E	NE	NE	E	E	S
Wind movement	7	7	6	6	4	4	2		5	2	2	1

Sunset: Time, 6:44; Character, Clear. Moonset: 7:40 p.

Maximum velocities (exceeding 20 miles) direction and time

Excessive precipitation, accumulated amounts

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

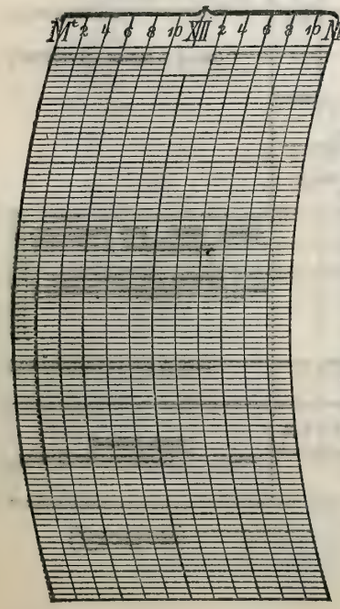
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
69	48	58	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 14.2 Possible sunshine, hours, 14.2
Per cent of possible sunshine, 100
Prevailing wind direction, E Total wind 116
Average hourly velocity, 4.6 Extreme velocity, 1
Maximum velocity, 4 Direction, 4
Time began, 11:16 a.m.
Reduced barometer, 30.10 7 a. m. 30.07 7 p. m.
River gage, 3.9 rise
Relative humidity, 82 7 a. m. 31 7 p. m.

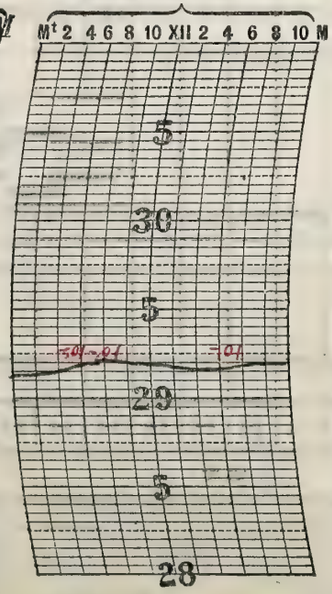
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 65.0 Wet temperature, 51.0
Dew-point, 37 R. humidity, 36 V. pressure, 21.0
Clouds: Amount, 1; Kind, Cu St; Direction,
Velocity of clouds (miles per hour)

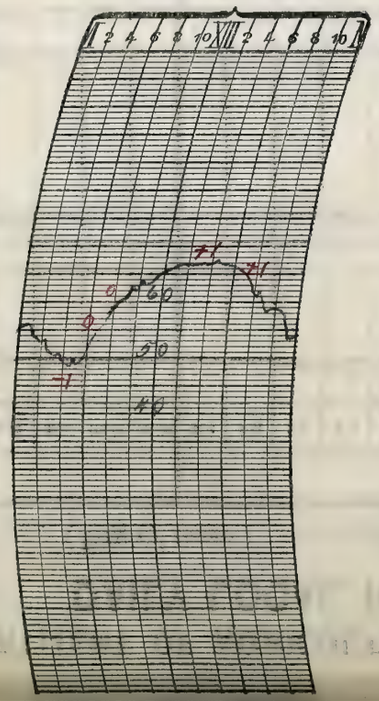
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The weather was clear, pleasant, and invigorating.

Prepared by

Verified by P. M. Donovan

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) ....., 192

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	54	53	53	51	49	53	58	65	68	70	71	72
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						←			Clear			
Sunshine (in tenths of hours)					0	0.6	1.0	1.0	1.0	1.0	1.0	1.0
Wind direction	S	S	S	S	S	S	S	S	SW	SW	NW	NW
Wind movement	2	2	1	1	0	3	2	5	5	5	5	6

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	74	75	74	76	74	73	72	69	68	65	62	61
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												
Sunshine (in tenths of hours)	1.0	1.0	0.8	1.0	0.9	0.6	0					
Wind direction	NW	SW	W	W	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	7	6	6	5	6	6	4	2	1	3	3	3

Sunrise: Time, 4:29 Character, Clear

Moonrise: 6:01a

Sunset: Time, 6:45 Character, Cloudy

Moonset: 8:57p

Maximum velocities (exceeding 60 miles) direction and time: .52 0.4

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
76	49	62	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase, ...

Average daily cloudiness (0-10), 2

Actual sunshine, hours, 12.8 Possible sunshine, hours, 14.3

Per cent of possible sunshine, 90

Prevailing wind direction, SW Total wind 90

Average hourly velocity, 3.8 Extreme velocity, 11

Maximum velocity, 11 Direction, SW

Time began, 1:27 p.m.

Reduced barometer, 29.11 7 a. m. 29.00 7 p. m.

River gage, 3.7 Feet

Relative humidity, 49 7 a. m. 30 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

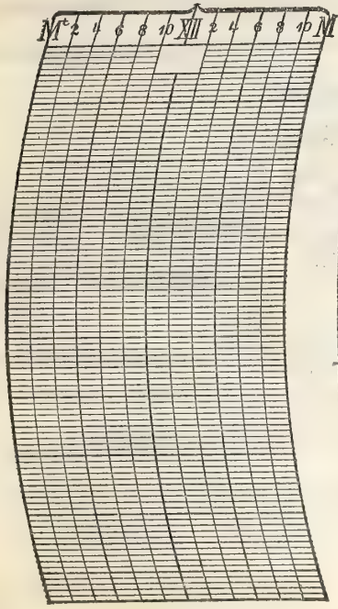
Dry temperature, 70.6 Wet temperature, 54.2

Dew-point, 39 R. humidity, 32 V. pressure, .257

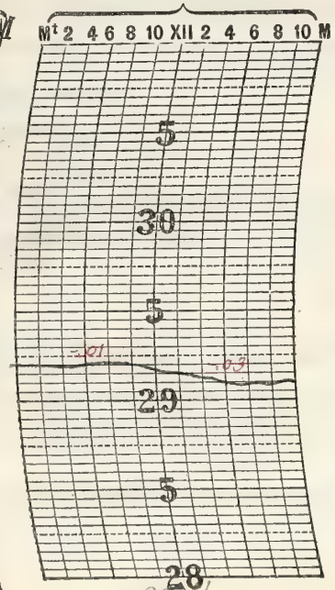
Clouds: Amount, 2; Kind, ASt; Direction, N

Velocity of clouds (miles per hour).....

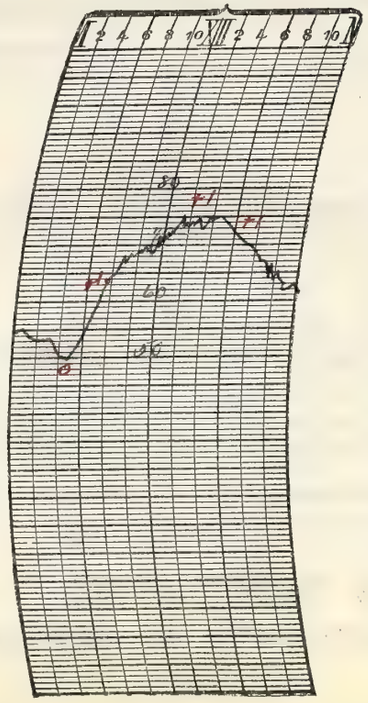
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A clear, warm and very pleasant day.

Prepared by .....

Verified by .....

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) _____, (*Day of week*) _____, (*Date*) _____, 192

Time (local standard). 90 mer. normal time.	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	59	57	57	54	52	51	58	65	69	71	72	73	75	75	75	75	73	72	70	68	67	65	63	61
State of weather. Nature of precipitation and time of beginning and ending																								RB 1155
Amounts of precipitation																								T
Cloudiness and other conditions						←			Cloudy						Cloudy									→
Sunrise: Time, Character,	4:28 Cloudy																							
Moonrise:	6:50 a																							
Sunset: Time, Character,																					6:26 Cloudy			
Moonset:																					9:40 p			
Sunshine (in tenths of hours)					0	0	0.3	0.4	0.7	0.7	0.6	0.1	0	0	0	0	0	0	0					
Wind direction	S	S	S	E	E	E	E	S	SE	SE	SE	SE	E	E	E	E	SE	E	E	E	E	E	E	E
Wind movement	3	2	2	4	4	6	3	5	8	7	8	8	10	11	9	8	7	9	7	9	11	11	8	10
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

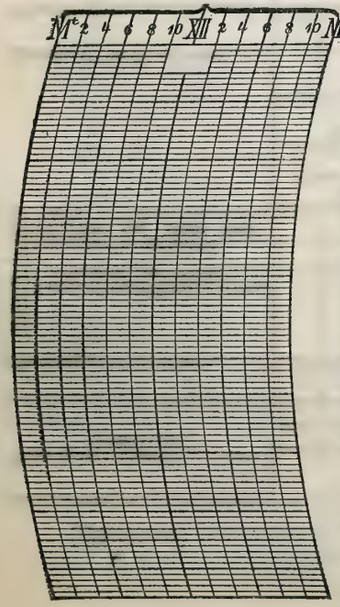
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
76	51	64	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase, _____
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 2.8 Possible sunshine, hours, 14.3
Per cent of possible sunshine, 20
Prevailing wind direction, E Total wind 150
Average hourly velocity, 7.1 Extreme velocity, 14
Maximum velocity, 13 Direction, E
Time began, 1:30 p.m.
Reduced barometer, 29.96 7 a. m. 29.95 2, p. m.
River gage, 3.5 feet
Relative humidity, 60 7 a. m. 68 7 p. m.

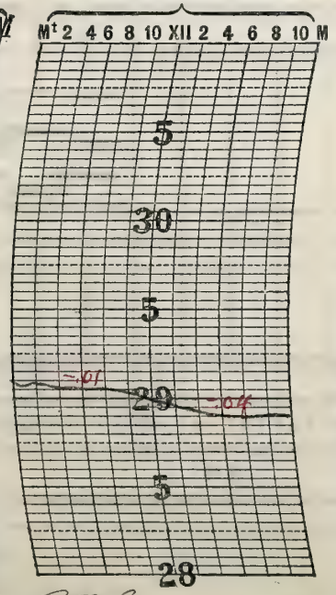
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 72.4 Wet temperature, 56.2
Dew-point, 43 R. humidity, 35 V. pressure, .277
Clouds: Amount, 8; Kind, Ast; Direction, NW
Velocity of clouds (miles per hour)

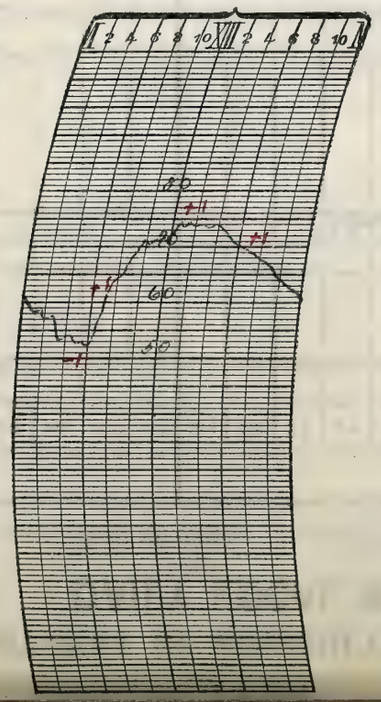
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A cloudy and warm day with a moderate amount of sunshine.

Prepared by CCS.

Verified by J. McHoneman

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) _____, (Date) _____, 192

Time (local standard) 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	58	55	54	54	54	54	55	58	59	61	62	62
		RE DNA									RB 10:47	RE 11:29 RB 11:53
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation	.01	T									.02	.06
Cloudiness and other conditions						←	Cloudy					
Sunrise: Time, Character,	4:27 Cloudy											
Moonrise:	8:00 a											
Sunshine (in tenths of hours)					0	0	0	0	0	0	0	0.1
Wind direction	E	NE	NE	E	NE	NE	NE	NE	NE	E	E	E
Wind movement	10	10	12	12	13	14	14	15	15	16	15	12

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	63	65	64	64	63	63	61	60	60	60	60	60
					RE 4:20							
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation	.01	T	T	T	.08							
Cloudiness and other conditions					Cloudy			→	Pt. Cloudy			
Sunset: Time, Character,									6:47 Cloudy			
Moonset:									10:42 p			
Sunshine (in tenths of hours)	0	0	0	0	0.6	0.2	0					
Wind direction	SE	SE	SE	E	SE	SE	E	E	E	SE	SE	SE
Wind movement	9	9	9	12	11	10	11	11	9	6	6	7

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
65	53	59	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .01 ins.; to 7 p. m., .17 ins.

Total precipitation, midnight to midnight, .18 inches.

Character of day, Cloudy Moon phase, _____

Average daily cloudiness (0-10), 10

Actual sunshine, hours, 0.9 Possible sunshine, hours, 14.3

Per cent of possible sunshine, 6

Prevailing wind direction, E Total wind 266

Average hourly velocity, 11.1 Extreme velocity, 2

Maximum velocity, 12 Direction, E

Time began, 9:25 a.m.

Reduced barometer, 29.73 7 a. m. 29.70 7 p. m.

River gage, 4.4 Feet

Relative humidity, 80 7 a. m. 88 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

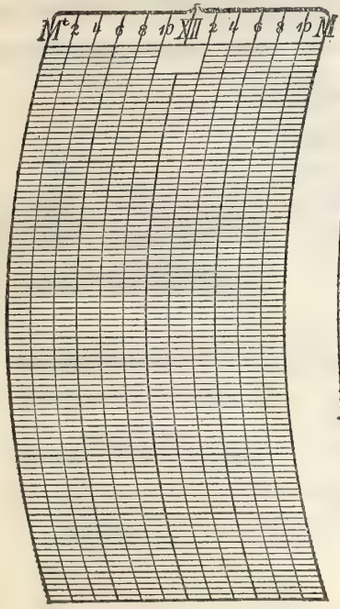
Dry temperature, 62.2 Wet temperature, 59.6

Dew-point, 58 R. humidity, 86 V. pressure, .482

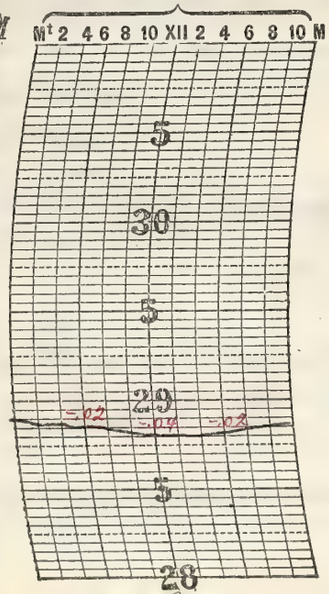
Clouds: Amount, 10; Kind, Stcu.; Direction, E

Velocity of clouds (miles per hour)

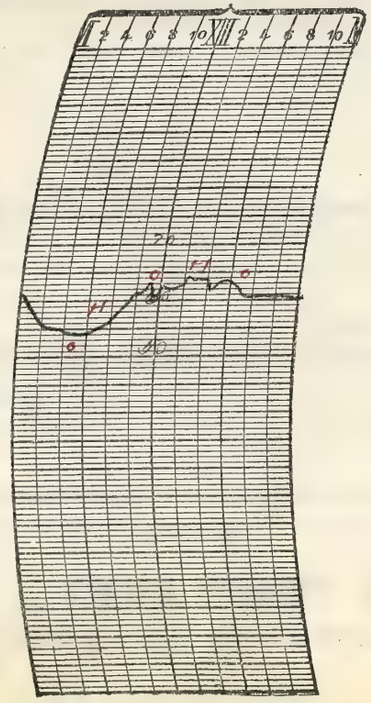
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Special 12:00 Noon (75th Meridian Time) observation called for by the Central Office

A cloudy and cool day with intermittent showers during the late morning and afternoon

Prepared by _____

Verified by _____

8—186

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) Thursday, (Date) MAY [illegible], 192

Time (local standard) 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	59	59	58 RB DNA	58	58	58 RE DNA	60	61	62	64	65	69
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation			.04	T	.03	.01						
Cloudiness and other conditions						← Cloudy						

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	64 RB 12:20	64 RE 1:30	65	65 RB 3:30	63	61	61	60 RE 7:10	60	59	58	58
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation	.01	.02		T	T	.02	.01	T				
Cloudiness and other conditions						Cloudy →						

Sunrise: Time 4:26, Character Cloudy. Moonrise: 9:06a

Sunset: Time 6:49, Character Cloudy. Moonset: 11:26p

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)					0	0	0	0	0	0	0.5	1.0
Wind direction	SE	E	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
Wind movement	5	7	8	5	6	5	3	7	6	8	8	6
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)	0.1	0	0	0	0	0	0					
Wind direction	SE	S	SE	S	S	SW	S	S	S	S	S	S
Wind movement	10	9	5	6	6	7	5	4	6	7	6	7
Maximum velocities (exceeding 29 miles) direction and time												

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
69	58	64	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .08 ins.; to 7 p. m., .04 ins.

Total precipitation, midnight to midnight, [illegible] inches.

Character of day, Cloudy. Moon phase,

Average daily cloudiness (0-10), 10

Actual sunshine, hours, 1.6. Possible sunshine, hours, 14.4

Per cent of possible sunshine, 11

Prevailing wind direction, SE. Total wind 151

Average hourly velocity, 6.3. Extreme velocity, 16

Maximum velocity, [illegible] Direction, [illegible]

Time began, 1:00 p. m.

Reduced barometer, 28.81 7 a. m. 28.[illegible] 7 p. m.

River gage, 3.3 feet

Relative humidity, 90 7 a. m. 89 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

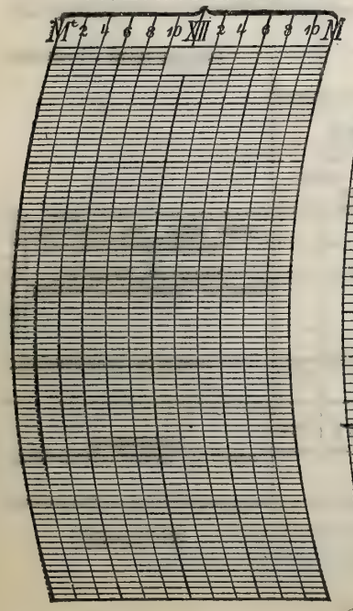
Dry temperature, 68.3 Wet temperature, 63.0

Dew-point, 60 R. humidity, 75 V. pressure, .512

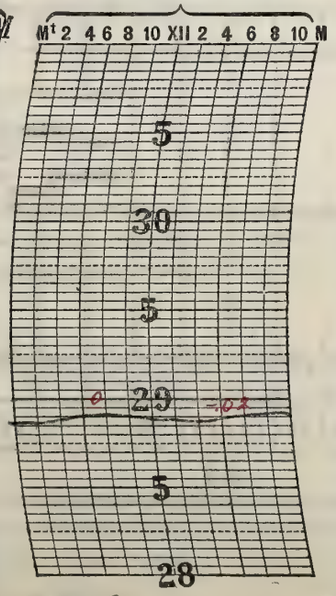
Clouds: Amount, 9; Kind, St.Cu.; Direction, S

Velocity of clouds (miles per hour)

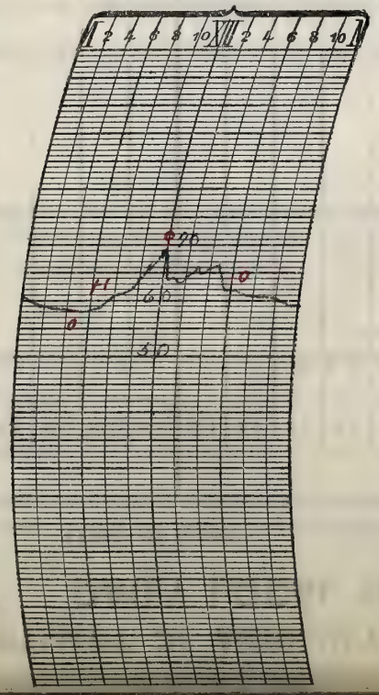
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A cloudy day with intermittent showers & and moderate temperature. Thunderstorm. – Thunder first heard at 11:50 a.m.; last heard at 1:15 p.m. The storm moved from the west.

Prepared by [illegible]

Verified by [illegible]

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) Friday, (Date) _____, 192

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	58	58	59	59	59	60	60	64	66	61 11:18 9:35 11E 10:00	61	66
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation										0.5		
Cloudiness and other conditions						← Cloudy				→ Mody × Clear × Pt. Cdy ×		
Sunshine (in tenths of hours)					0	0	0	0.8	1.0	0.2	0.2	1.0
Wind direction	S	SW	SW	SW	W	W	SW	SW	SW	SW	W	W
Wind movement	6	7	7	9	11	8	10	9	11	12	17	20

Sunrise: Time, 4:25 Character, Cloudy
Moonrise: 10:14a

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	66	66	65	66	65	63	63	59	57	54	52	51
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Clear					
Sunshine (in tenths of hours)	0.9	0.9	1.0	1.0	1.0	0.6 0.4	0.3 0					
Wind direction	W	W	W	W	W	W	W	W	W	W	SW	SW
Wind movement	23	24	22	22	19	16	11	10	10	8	9	10

Sunset: Time, 6:50 Character, Clear
Moonset: —

Maximum velocities (exceeding 30 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

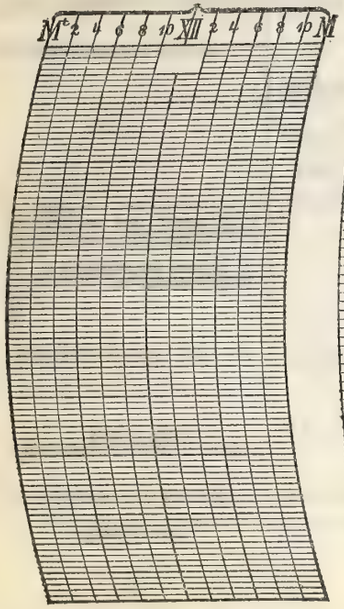
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
68	51	60	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., .22 ins.
Total precipitation, midnight to midnight, .22 inches.
Character of day, Pt. Cloudy Moon phase, _____
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 9.8 Possible sunshine, hours, 14.3
Per cent of possible sunshine, 68
Prevailing wind direction, W Total wind 2[illegible]
Average hourly velocity, 19.2 Extreme velocity, 30
Maximum velocity, 29 Direction, W
Time began, 1:01 p.m.
Reduced barometer, 29.85 7 a. m. 29.[illegible] 7 p. m.
River gage, 3.85 Feet
Relative humidity, 85 7 a. m. 56 7 p. m.

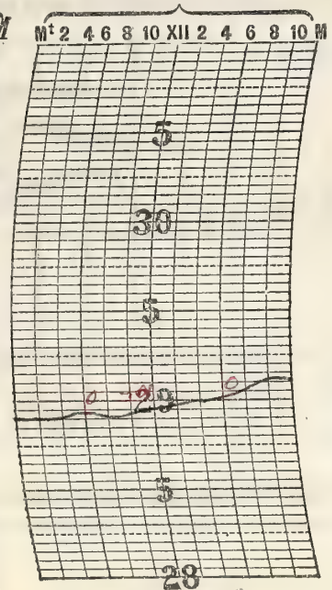
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 66.0 Wet temperature, 58.5
Dew-point, 54 R. humidity, 64 V. pressure, .417
Clouds: Amount, 3; Kind, Cu; Direction, W
Velocity of clouds (miles per hour)

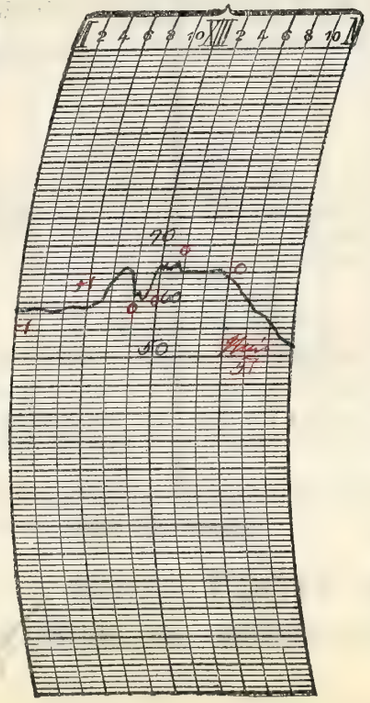
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

S. Special 12:00 Noon (75th Meridian Time) observation called for by the Central Office.
A partly cloudy day with moderate temperature.

Prepared by _____
Verified by _____

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) _____, (*Day of week*) _____, (*Date*) _____, 192

Time (local standard). 90th mer. normal time.

	A. M.												P. M.											
	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	49	48	47	46	46	49	50	51	52	51	52	52	51	51	52	53	53	53	52	50	47	46	46	46
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						←			Cloudy					Cloudy	*	PM Cloudy	*		Clear					→
	Sunrise: Time, 4:24 Character, Cloudy																				Sunset: Time, 6:51 Character, Cloudy			
	Moonrise: 11:22a																				Moonset: 12:08a			
Sunshine (in tenths of hours)					0	0.1	0	0.4	1.0	1.0	0.9	1.0	1.0	0.8	0.1	0.1	0	0	0					
Wind direction	SWV	SWV	SW	SWV	SWV	WV	W	W	W	W	W	W	NW	NW	W	W	W	W	W	W	NW	NW	NW	NW
Wind movement	9	9	9	9	9	8	12	14	12	16	17	16	17	14	11	12	11	10	8	5	2	6	3	3
Maximum velocities (exceeding 30 miles) direction and time																								

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
59	46	52	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Cloudy Moon phase, F.Q. 9:25 a.

Average daily cloudiness (0–10), 8

Actual sunshine, hours, 6.4 Possible sunshine, hours, 14.3

Per cent of possible sunshine, 44

Prevailing wind direction, W Total wind 2

Average hourly velocity, 10.3 Extreme velocity, 20

Maximum velocity, 19 Direction, W

Time began, 10:03 a.m.

Reduced barometer, 30.09 7 a. m. 30.12 7, p. m.

River gage, 4.5 Fall

Relative humidity, 79 7 a. m. 78 7 p. m.

Excessive precipitation, accumulated amounts	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

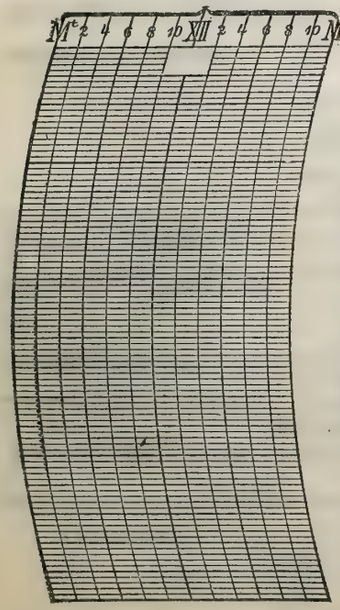
Dry temperature, 47.2 Wet temperature, 44.7

Dew-point, 37 R. humidity, 60 V. pressure, 217

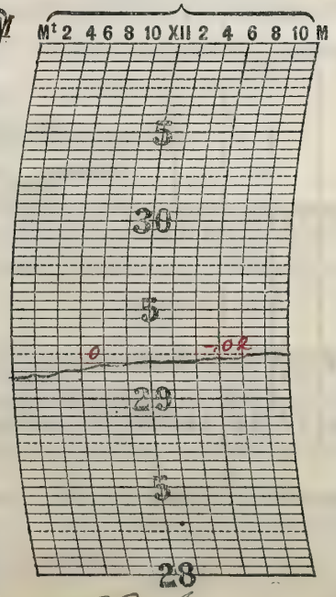
Clouds: Amount, 8; Kind, Cu; Direction, NW

Velocity of clouds (miles per hour)

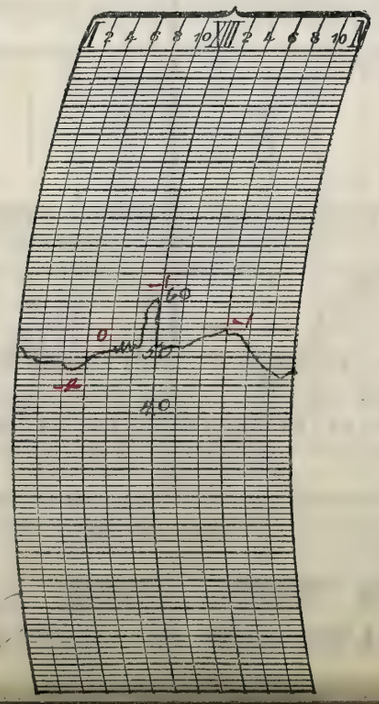
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A cloudy and overall day with moderate and penetrating westerly winds.

An aurora was observed for a short time about 9 o'clock p.m. While not as brilliant as a three which have been seen in this vicinity, it was bright enough to notice the familiar characteristics. It caused some interruption to telegraph service.

Prepared by _____

Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) Dec. 11 1921, 192

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	43	42	42	41	40	39	46	49	51	52	53	55
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Pt Cloudy				→ Clear		
Sunrise: Time, Character,	4:23 Clear											
Moonrise:	12:31a											
Sunshine (in tenths of hours)					.62 0	0.5 0.5	0.5	0.9	1.0	0.9	1.0	1.0
Wind direction	W	W	W	W	SW	SW	SW	W	W	W	W	W
Wind movement	5	7	7	6	8	6	7	9	14	19	21	18

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	56	57	59	59	58	56	54	49	46	43	42	41
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions			Clear									→
Sunset: Time, Character,									6:52 Clear			
Moonset:									12:44p			
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.7	0.9	0.2 0.7	.87 0					
Wind direction	W	W	W	W	W	W	NW	N	N	N	N	N
Wind movement	17	17	20	17	17	15	10	9	10	6	5	4

Maximum velocities (exceeding 29 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

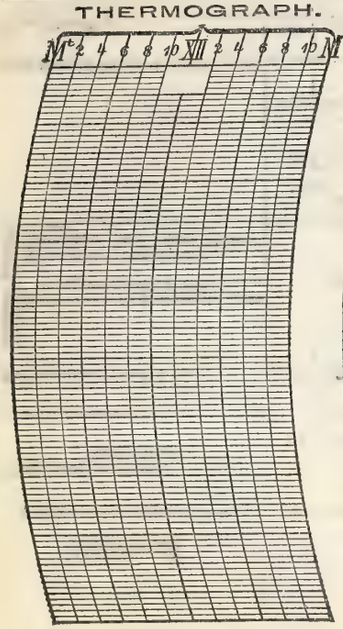
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
59	39	48	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 13.3 Possible sunshine, hours, 14.5
Per cent of possible sunshine, 92
Prevailing wind direction, W Total wind 274
Average hourly velocity, 11.4 Extreme velocity, 31
Maximum velocity, 27 Direction, W
Time began, 10:42 a.m.
Reduced barometer, 30.22 7 a. m. 30.12 7, p. m.
River gage, 4.6 Falls
Relative humidity, 75 7 a. m. 38 7 p. m.

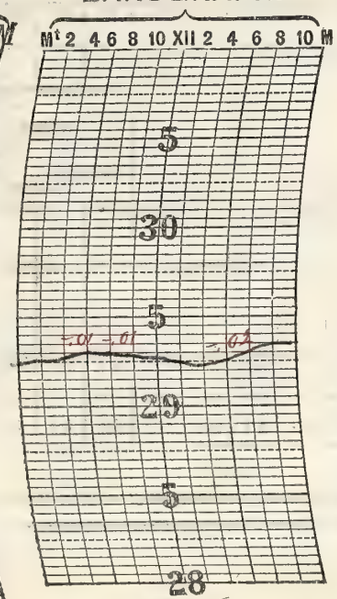
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 53.4 Wet temperature, 44.0
Dew-point, 33 R. humidity, 46 V. pressure, .182
Clouds: Amount, 2; Kind, Cu; Direction, W
Velocity of clouds (miles per hour)

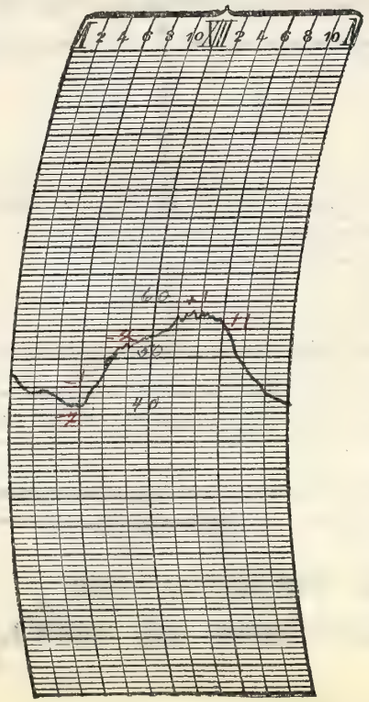
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Light frost occurred this morning
Frost warning received at 10:12 a.m.
A cheerfully cloudy day with the cold
rain nicely tempered.

Prepared by
Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) ....., (*Day of week*) ....., (*Date*) ....., 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	41	40	38	37	37	39	42	45	49	51	53	54
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						←		Clear			Clear	
Sunrise: Time, Character,	4:22 Clear											
Moonrise:	1:39 P.											
Sunshine (in tenths of hours)					.63 0	0.9 0.1	0.8	0.9	1.0	1.0	0.9	1.0
Wind direction	N	N	N	N	N	N	N	NE	N	N	N	NW
Wind movement	3	3	1	3	1	2	4	8	7	6	8	6
Maximum velocities (exceeding 19 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	56	57	58	61	61	58	56	53	51	49	48	47
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Clear		x-Pt Cldy		x		Clear					→
Sunset: Time, Character,									6:02 Cloudy			
Moonset:									1:21 A			
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.9	1.0	0.5	0					
Wind direction	NW	N	N	NW	NW	NW	N	N	N	N	N	N
Wind movement	6	5	6	7	6	7	5	5	4	3	4	2
Maximum velocities (exceeding 19 miles) direction and time												

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
61	37	49	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase, ...

Average daily cloudiness (0-10), 3

Actual sunshine, hours, 12.6 Possible sunshine, hours, 14.5

Per cent of possible sunshine, 87

Prevailing wind direction, N Total wind 112

Average hourly velocity, 4.7 Extreme velocity, 11

Maximum velocity, 11 Direction, NE

Time began, 7:22 a.m.

Reduced barometer, 30.36 7 a. m. 30.25 7 p. m.

River gage, 4.1 Fall

Relative humidity, 74 7 a. m. 55 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

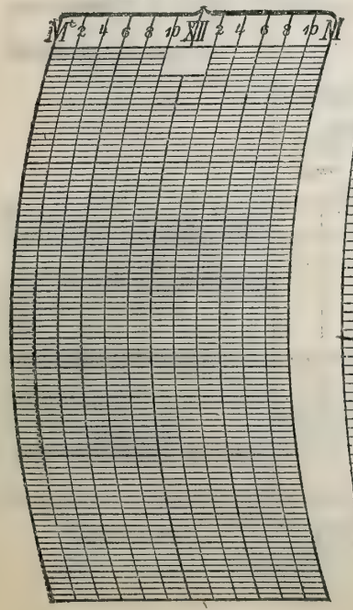
Dry temperature, 52.2 Wet temperature, 48.7

Dew-point, 31 R. humidity, 44 V. pressure, .172

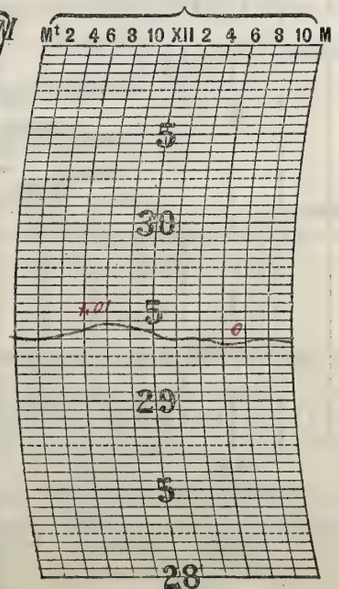
Clouds: Amount, 3; Kind, Cu; Direction, NW

Velocity of clouds (miles per hour) .....

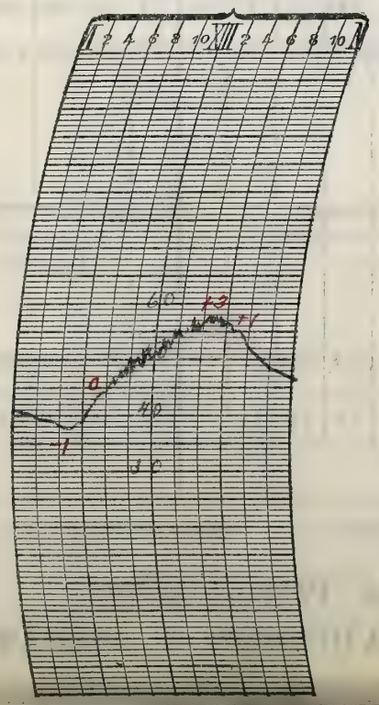
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Light frost observed this morning. Frost warning received at 9:05 a.m., embodied in regular a.m. forecast. It was printed on all bulletins. A clear and somewhat cool day with bright warm sunshine.

Prepared by .....

Verified by .....

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Monroe Va, (Day of week) _____, (Date) _____, 192

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	46	44	43	42	41	47	52	56	59	61	63	65
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Clear						
Sunshine (in tenths of hours)					.65	0.6	1.0	1.0	1.0	1.0	1.0	1.0
Wind direction	NE	NE	O	NE	O	NE	S	S	SW	SW	SW	S
Wind movement	3	1	0	1	0	2	5	7	6	7	7	6

Sunrise: Time, 4:21 Character, Clear
Moonrise: 2:44 P.

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	67	68	70	69	69	68	67	65	63	63	63 RB 10:25 RE DNR	62
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation											T	
Cloudiness and other conditions						× Pt. Cloudy				→ Cloudy →		
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.2	0					
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	6	6	9	9	8	6	4	3	4	2	4	5

Sunset: Time, 6:53 Character, Cloudy
Moonset: 1:53 a.

Maximum velocities (exceeding 28 miles) direction and time.

Excessive precipitation, accumulated amounts.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

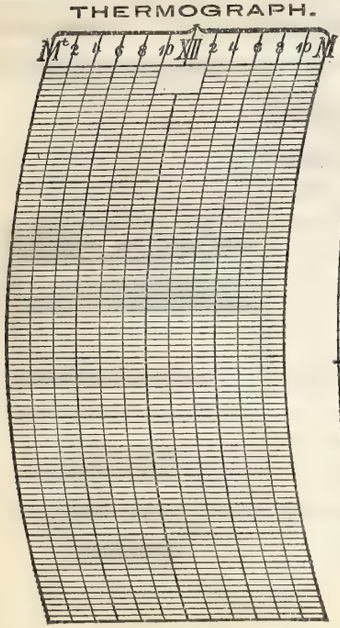
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
70	41	56	5

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt. Cloudy Moon phase, _____
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 12.8 Possible sunshine, hours, 14.5
Per cent of possible sunshine, 88
Prevailing wind direction, SW Total wind _____
Average hourly velocity, 4.6 Extreme velocity, _____
Maximum velocity, 13 Direction, _____
Time began, 3:09 P.M.
Reduced barometer, 30.25 7 a. m. 30.08 7 p. m.
River gage, 3.6 Feet
Relative humidity, 58 7 a. m. 42 7 p. m.

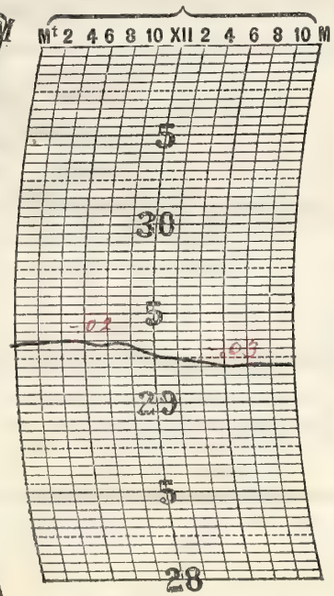
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 63.8 Wet temperature, 49.2
Dew-point, 34 R. humidity, 32 V. pressure, 0.3
Clouds: Amount, 1; Kind, Ci; Direction, W
Velocity of clouds (miles per hour) _____

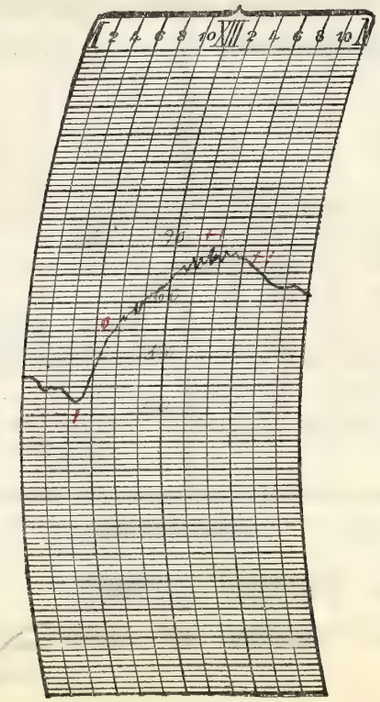
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Light frost occurred this morning.
A pleasantly cloudy day with moderate temperature and warm sunshine

Prepared by _____
Verified by _____

8—180

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) [illegible], 192

Time (local standard). 90th mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	60	59	59	59	59	59	61	63	64	66	67	72
State of weather: Nature of precipitation and time of beginning and ending									RS 8:20 RE 8:30			
Amounts of precipitation									T			
Cloudiness and other conditions						← Cloudy				→ Clear →		
	Sunrise: Time, 4:20 Character, Cloudy. Moonrise: 3:49 P.											
Sunshine (in tenths of hours)					0	0	0	0	0.2	1.0	0.2	1.0
Wind direction	SW	SW	SW	SW	SW	SW	SW	W	NW	NW	NE	SE
Wind movement	7	6	6	6	6	5	4	6	3	4	4	5
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	75	77	79	79	77	76	75	68	66	62	59	57
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					Clear							
									Sunset: Time, 6:54 Character, Cloudy. Moonset: 2:26 a			
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.0	0					
Wind direction	S	SE	S	S	S	SE	SE	E	E	E	E	E
Wind movement	6	6	5	4	4	5	2	8	8	11	11	8
Maximum velocities (exceeding 29 miles) direction and time												

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
79	57	68	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt. Cloudy. Moon phase,
Average daily cloudiness (0–10), 4
Actual sunshine, hours, 8.0 Possible sunshine, hours, 14.6
Per cent of possible sunshine, 55
Prevailing wind direction, SW Total wind 140
Average hourly velocity, 5.8 Extreme velocity, 10
Maximum velocity, 12 Direction, E
Time began, 9:30 p.m.
Reduced barometer, 30.16 7 a. m. 30.15 7 p. m.
River gage, 3.4 Feet.
Relative humidity, 66 7 a. m. 41 7 p. m.

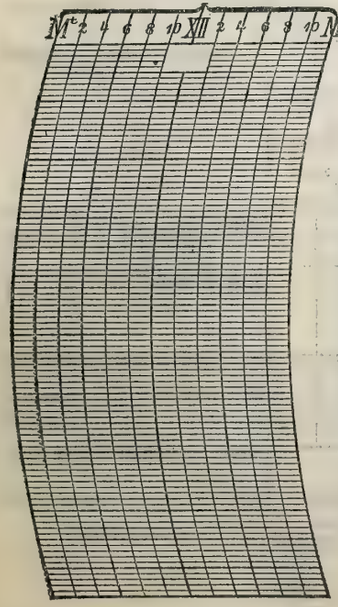
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

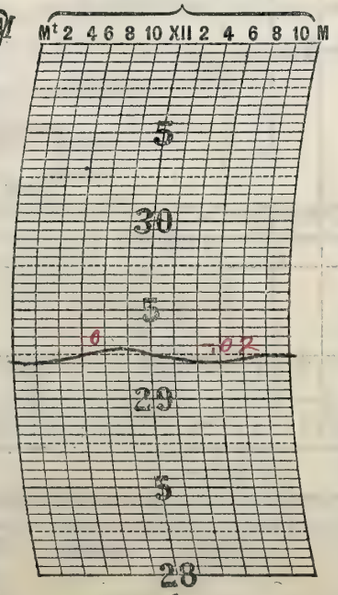
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 70.3 Wet temperature, 58.4
Dew-point, 50 R. humidity, 49 V. pressure, 36.0
Clouds: Amount, 1; Kind, ACu; Direction, NW
Velocity of clouds (miles per hour)

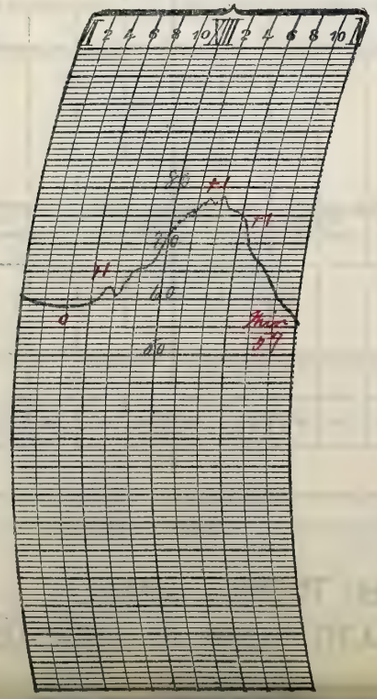
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A partly cloudy and rather warm day with light variable winds

Prepared by CCS

Verified by [illegible]

8—456

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Yates, N.D., (Day of week) Thursday, (Date) ....., 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	55	53	53	52	51	53	60	69	74	77	78	79
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						←		Clear				
Sunrise: Time, Character, 4:19 Clear												
Moonrise: 4:54 P.												
Sunshine (in tenths of hours)					.68 0	0.8 0.2	1.0	1.0	1.0	1.0	1.0	1.0
Wind direction	E	E	E	NE	E	E	E	S	S	S	S	SE
Wind movement	7	7	6	6	6	4	3	6	8	10	9	9
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	82	82	83	82	82	80	79	75	73	72	71	70
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												→
Sunset: Time, Character, 6:55 Clear												
Moonset: 3:01 a												
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.1 0.9	.92 0					
Wind direction	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
Wind movement	9	8	9	10	8	8	4	3	4	5	5	6
Maximum velocities (exceeding 29 miles) direction and time												

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

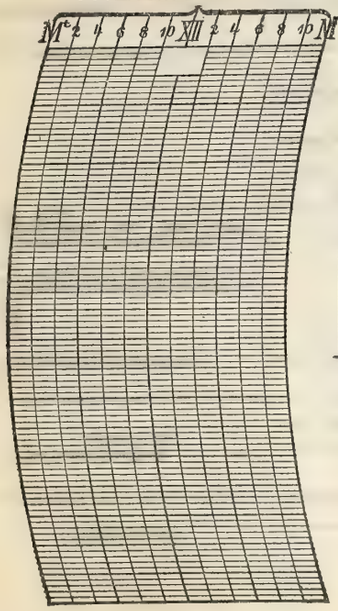
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
83	51	67	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, ...
Average daily cloudiness (0-10), Fair
Actual sunshine, hours, 14.6 Possible sunshine, hours, 14.6
Per cent of possible sunshine, 100
Prevailing wind direction, SE Total wind 160
Average hourly velocity, 6.7 Extreme velocity, 14
Maximum velocity, 13 Direction, SE
Time began, 3:29 p.m.
Reduced barometer, 30.19 7 a. m. 30.10 7 p. m.
River gage, 0.2 Feet
Relative humidity, 74 7 a. m. 41 7 p. m.

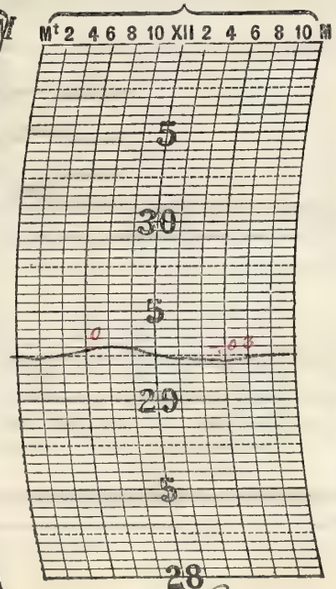
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 79.2 Wet temperature, 62.6
Dew-point, 52 R. humidity, 39 V. pressure, .38.7
Clouds: Amount, Few; Kind, Ast.; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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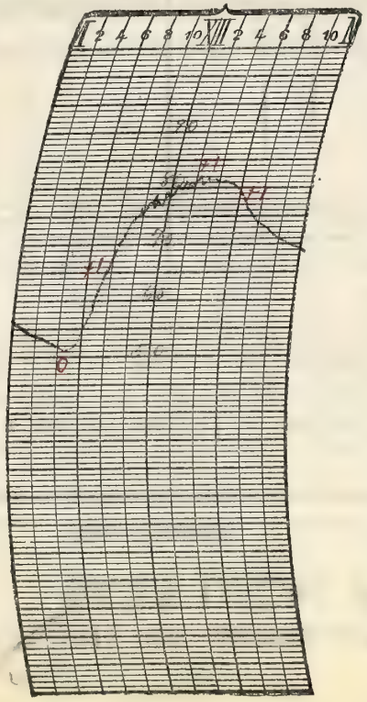


NOTES.

A clear and warm day, the maximum temperature being the highest recorded so far this year.

Prepared by C. E. S.
Verified by P. McKennery

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) ....., *(Day of week)* ....., *(Date)* ....., 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	64	62	60	60	59	62	66	75	80	82	84	86
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						←	Clear					
Sunshine (in tenths of hours)					.70 0	0.8 0.2	1.0	1.0	1.0	1.0	1.0	1.0
Wind direction	SE	SE	SE	SE	E	E	E	S	SW	SW	SW	NW
Wind movement	4	4	5	2	4	4	2	6	7	6	7	5
Maximum velocities (exceeding 22 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	87	88	89	87	86	84	82	78	76	72	70	68
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Clear			Pt. Cloudy						Clear		
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.9	0.6	0.4	0					
Wind direction	NW	NE	S	SE	SE	SE	SE	S	S	S	S	SW
Wind movement	5	5	6	7	9	7	7	7	11	8	9	8
Maximum velocities (exceeding 22 miles) direction and time												

Sunrise: Time, 4:18 Character, Clear
Moonrise: 5:56 p.m.

Sunset: Time, 6:56 Character, Cloudy
Moonset: 9:38 a.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
89	59	74	

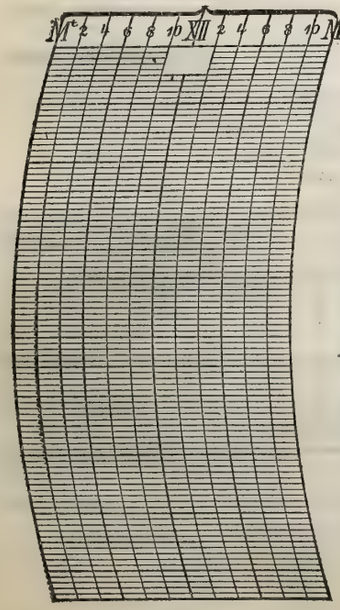
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, ...
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 12.6 Possible sunshine, hours, 14.5
Per cent of possible sunshine, 86
Prevailing wind direction, SE Total wind 144.5
Average hourly velocity, 6.0 Extreme velocity, 12
Maximum velocity, 12 Direction, SE
Time began, 3:56 p.m.
Reduced barometer, 30.25 a. m. 30.17, p. m.
River gage, 3.0 Fall
Relative humidity, 66 a. m. 40 p. m.

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

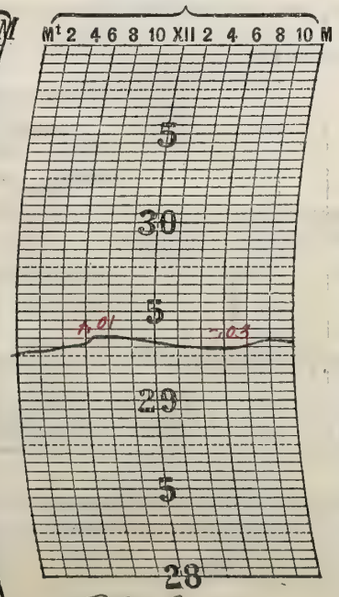
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 84.9 Wet temperature, 64.7
Dew-point, 52 R. humidity, 32 V. pressure, .387
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

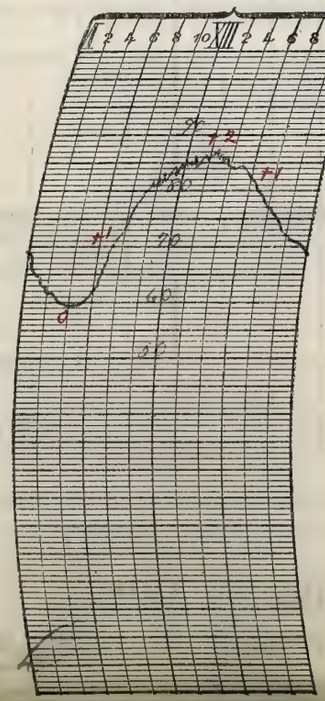
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A clear and very warm day, the maximum temperature being the highest to date for 1921.

Prepared by BCS

Verified by P. M. Pomeroy

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) _____, (Date) _____, 192

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	62	66	65	64	63	66	67	72	77	79	82	85
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	← Clear								← Clear			
Sunshine (in tenths of hours)					.70 0	0.7 0.3	1.0	1.0	1.0	1.0	1.0	1.0
Wind direction	SW	SW	SW	SW	S	S	SW	SW	SW	SW	SW	SW
Wind movement	7	6	5	6	5	6	8	11	11	13	10	10

Sunrise: Time, 4:18 Character, Clear
Moonrise: 6:54p.

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	86	86	86	86	85	83	81	77	75	74	71	70
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	← Clear				→ Pt. Cloudy							
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.8	0					
Wind direction	S	S	SW	SW	S	SW	S	S	SW	SW	SW	SW
Wind movement	11	10	9	12	13	11	6	8	7	7	9	7

Sunset: Time, 6:57 Character, Cloudy
Moonset: 4:19a

Maximum velocities (exceeding 29 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

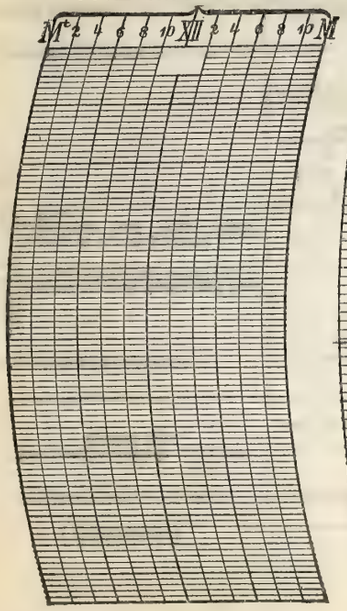
Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
87	63	75	

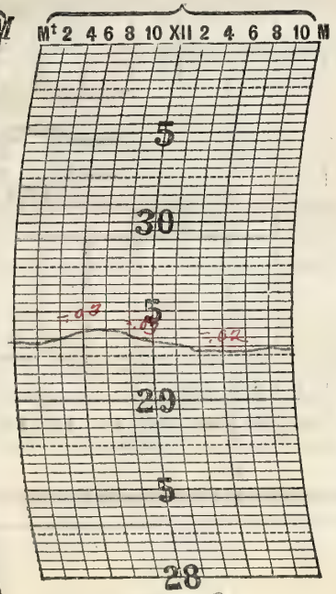
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, Full 2:15 p.m.
Average daily cloudiness (0-10), 1.
Actual sunshine, hours, 13.5 Possible sunshine, hours, 14.6
Per cent of possible sunshine, 92
Prevailing wind direction, SW Total wind 208
Average hourly velocity, 8.7 Extreme velocity, 16
Maximum velocity, 16 Direction, S
Time began, 3:31 p.m.
Reduced barometer, 30.08 7 a. m. 30.15 7 p. m.
River gage, 3.0 Feet.
Relative humidity, 60 7 a. m. 45 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 84.0 Wet temperature, 67.0
Dew-point, 58 R. humidity, 41 V. pressure, .482
Clouds: Amount, 1; Kind, A.St.; Direction, NW.
Velocity of clouds (miles per hour)

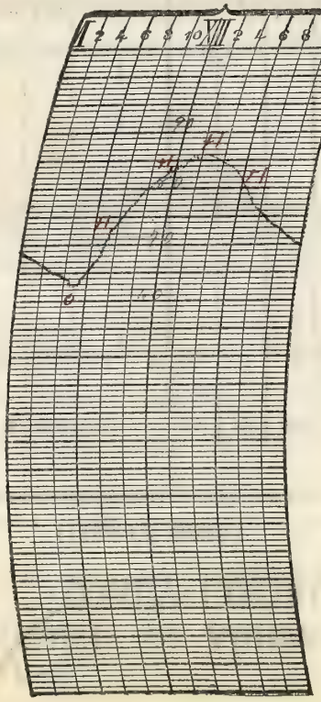
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Special 12:00 Noon (75th Meridian Time) observation called for by the Central Office.
A clear and very warm day.

Prepared by _____
Verified by _____

8—186

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) _____, (*Day of week*) _____, (*Date*) _____, 192

Time (local standard). 90° mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	68	66	66	65	65	67	68	73	78	79	82	84	86	87	88	86	85	84	81	78	75	74	71	70
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						←			Pt. Cloudy							Pt. Cloudy				×	Clear			→
	Sunrise: Time, 4:12 Character, Cloudy. Moonrise: 7:49p																				Sunset: Time, 6:58 Character, Cloudy. Moonset: 5:03a			
Sunshine (in tenths of hours)					0	0.1	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1	0					
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	7	8	9	9	9	10	11	12	13	14	12	12	13	14	16	15	14	11	10	11	11	12	11	10
Maximum velocities (exceeding 22 miles) direction and time																								

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
88	65	76	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase, _____
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 10.6 Possible sunshine, hours, 14.7
Per cent of possible sunshine, 72
Prevailing wind direction, SW Total wind 274
Average hourly velocity, 11.4 Extreme velocity, 20
Maximum velocity, 20 Direction, SW
Time began, 2:33 p.m.
Reduced barometer, 30.15 7 a. m. 29.99 7 p. m.
River gage, 2.8 Fcst.
Relative humidity, 78 7 a. m. 45 7 p. m.

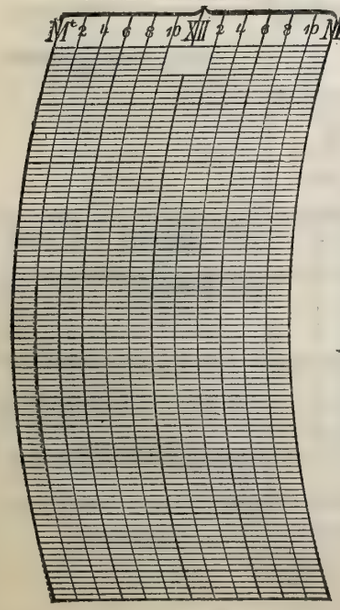
Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts _____

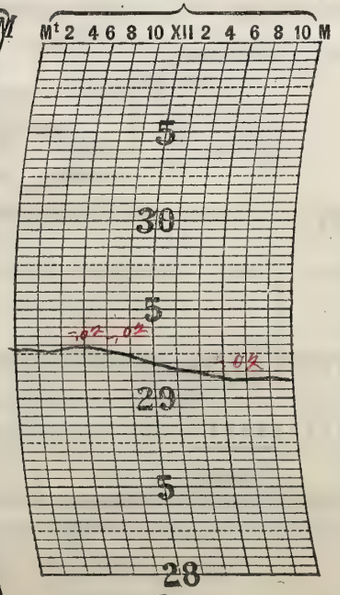
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 84.0 Wet temperature, 70.2
Dew-point, 63 R. humidity, 51 V. pressure, .522
Clouds: Amount, 7; Kind, Cu; Direction, W
Velocity of clouds (miles per hour) _____

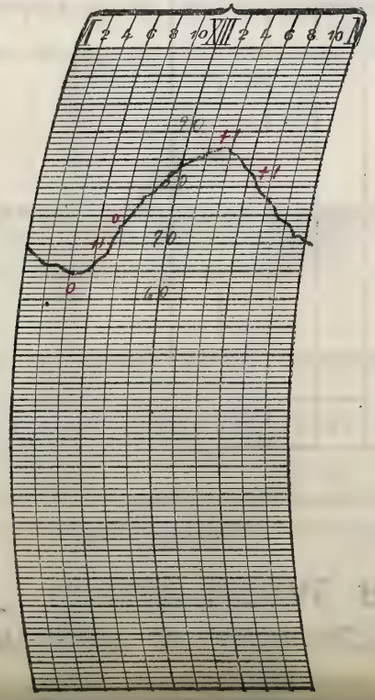
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A solar halo of 22° radius was observed from 9:50 a.m. until about 10:24 a.m. The phenomena was bright and the colors visible were red, orange, yellow, green blue and violet. The arc was complete (360°) during the entire period of visibility.

A partly cloudy day with high temperature, very hot sunshine and a fair breeze.

Prepared by _____

Verified by _____

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Worth, Tex., (Day of week) _____, (Date) _____, 192

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	69	69	68	67	67	68	70	78	83	84	86	88
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						←	Clear	×	Pt. Cloudy	×		
Sunrise: Time, Character, 4:16 Clear												
Moonrise: 8:40 p.												
Sunshine (in tenths of hours)					.73 0	0.9 0.1	1.0	1.0	1.0	1.0	1.0	1.0
Wind direction	SW	SW	SW	SW	SW	SW	SW	W	W	W	WNW	NW
Wind movement	12	10	9	10	9	9	10	10	10	11	11	11
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	90	89	88	88	85	79	76	70	68	67	66	67
State of weather. Nature of precipitation and time of beginning and ending			RB 2:10 RE 2:25			RB 5:50 RE 6:00				RB 9:35		
Amounts of precipitation			T			T				T	.03	.02
Cloudiness and other conditions						Cloudy						→
Sunset: Time, Character, 6:59 Cloudy												
Moonset: 5:50 a.												
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.9	0	0	0					
Wind direction	W	W	W	W	W	W	E	SE	SE	S	S	E
Wind movement	12	11	13	12	10	8	5	8	9	10	12	9
Maximum velocities (exceeding 29 miles) direction and time												

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
90	66	78	×

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, .05 inches.

Character of day, Pt. Cloudy Moon phase, _____

Average daily cloudiness (0-10), 5

Actual sunshine, hours, 11.6 Possible sunshine, hours, 14.7

Per cent of possible sunshine, 79

Prevailing wind direction, W Total wind 24

Average hourly velocity, 12.5 Extreme velocity, _____

Maximum velocity, 16 Direction, _____

Time began, 2:32 p. m.

Reduced barometer, 30.09 7 a. m. 29.98 7, p. m.

River gage, 2.7 Feet.

Relative humidity, 69 7 a. m. 68 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

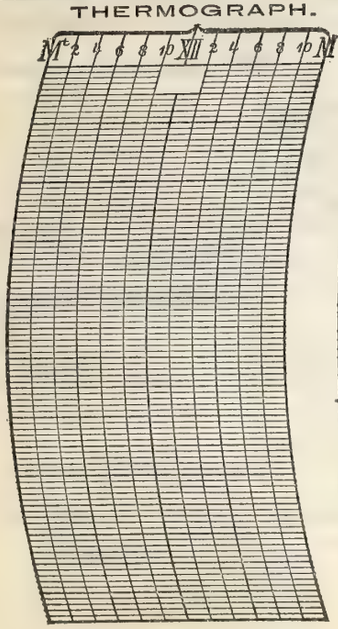
Dry temperature, 87.0 Wet temperature, 71.0

Dew-point, 63 R. humidity, 46 V. pressure, .575

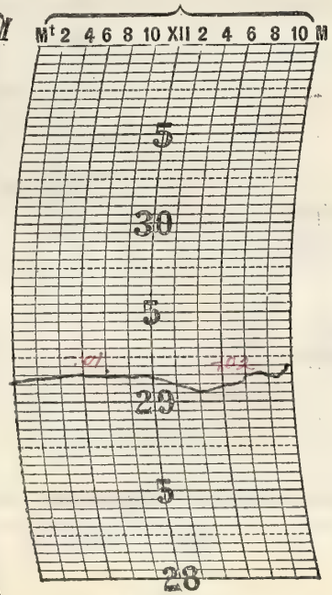
Clouds: Amount, 6; Kind, Cirst.; Direction, W

Velocity of clouds (miles per hour)

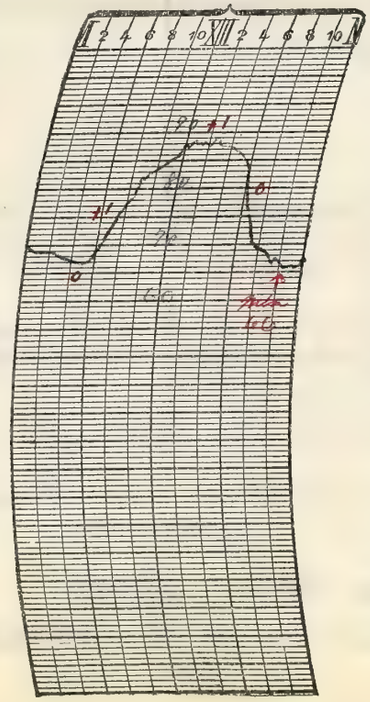
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A pleasantly cloudy and very warm day. The maximum temperature today setting a record for this date.

A faint solar halo of 22° radius with complete arc observed from 11:00 a.m. until 12:50 p.m.

A thunderstorm moving from the northwest commenced at 5:40 p.m. and continued through the night. It was of light intensity and accompanied by light rain.

Prepared by _____

Verified by _____

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) _____, (Date) _____, 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	64	64	64	64	65	66	64	62	62	64	71	76
Nature of precipitation and time of beginning and ending	RE DM						RB 6:25		RE 8:45			
Amounts of precipitation	.01						.31	.37	.02			
Cloudiness and other conditions						←		Cloudy				Pt. Cldy ×
Sunrise: Time, Character,	4:15 Cloudy											
Moonrise:	9:25 P.											
Sunshine (in tenths of hours)					0	0	0	0	0	0	0.8	1.0
Wind direction	E	E	SE	SE	C	S	NE	NE	SE	S	SW	SW
Wind movement	6	4	2	2	9	12	12	6	6	10	12	16

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	79	82	85	85	84	80	73	74	74	74	73	72
Nature of precipitation and time of beginning and ending							TS 6:05 TS 6:30				TS 10:02	
Amounts of precipitation							.03				.10	.01
Cloudiness and other conditions	Clear ×			Pt. Cloudy ×				Cloudy				
Sunset: Time, Character,									7:00 Cloudy			
Moonset:									6:41 a			
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	0.8	0	0					
Wind direction	SW	SW	SW	SW	SW	S	NE	NE	S	W	NW	NW
Wind movement	14	12	11	11	8	5	2	2	3	5	12	2

Maximum velocities (exceeding 22 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
86	60	75	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .25 ins.; to 7 p. m., ins.

Total precipitation, midnight to midnight, .92 inches.

Character of day, Pt. Cloudy Moon phase,

Average daily cloudiness (0-10),

Actual sunshine, hours, 6.6 Possible sunshine, hours, 14.8

Per cent of possible sunshine, 45

Prevailing wind direction, SW Total wind

Average hourly velocity, 8.5 Extreme velocity,

Maximum velocity, 28 Direction,

Time began, 6:33 a.m.

Reduced barometer, 30.14 7 a. m. 7, p. m.

River gage, 5.4 Feet

Relative humidity, 100 7 a. m. 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

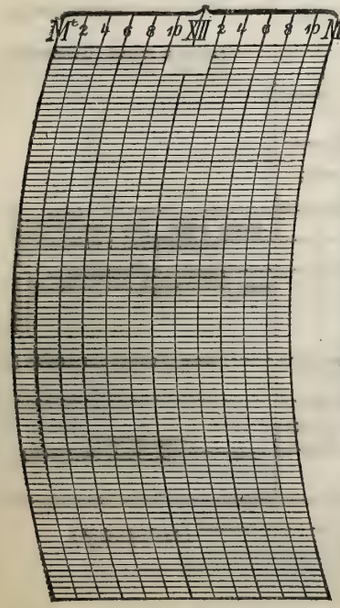
Dry temperature, 74.7 Wet temperature, 67.0

Dew-point, 63 R. humidity, 67 V. pressure, .501

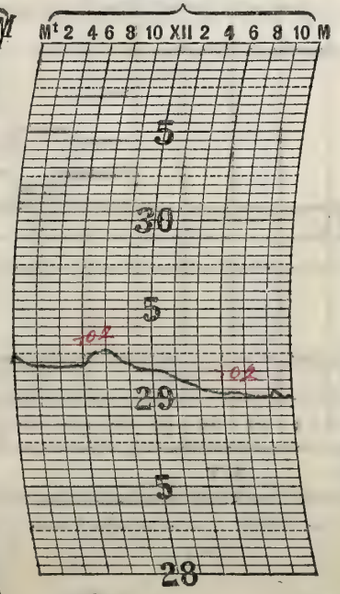
Clouds: Amount, 6; Kind, Ast; Direction,

Velocity of clouds (miles per hour)

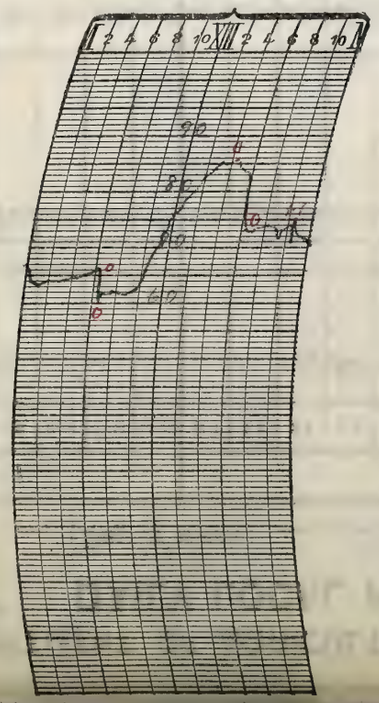
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The thunderstorm which began on the 23rd ended during the night a.m.

A thunderstorm moving from the northwest commenced at 5:50 a.m. and ended at 8:45 a.m. The storm was moderate in character and accompanied by heavy rain, especially between 6:45 a.m. and 7:10 a.m.

Thunderstorm; first thunder heard 6:20 p.m., last thunder heard 6:25 p.m. The storm moves from the northwest.

Thunderstorm set in at 10:20 p.m. and continued through the night of the midnight. The storm moved from the northwest.

A partly cloudy and warm day.

Prepared by _____

Verified by _____

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) Aug. 11, 192

Time (local standard). 90° mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	70	67	67	67	66	67	69	73	75	78	80	82
State of weather. Nature of precipitation and time of beginning and ending					RE ONR							
Amounts of precipitation	.06	.01	T	.03	.01							
Cloudiness and other conditions						← Cloudy			× Pt. Cloudy			
Sunrise: Time, 4:15 Character, Cloudy												
Moonrise: 10:06 p.m.												
Sunshine (in tenths of hours)					0	0	0.2	1.0	1.0	1.0	1.0	1.0
Wind direction	SW	NW	W	NW	SW	W	W	W	W	NW	W	NW
Wind movement	13	7	6	5	5	7	7	7	9	11	11	15
Maximum velocities (exceeding 25 miles) direction and time												

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	82	83	82	82	81	79	78	76	73	72	67	65
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					× Clear		→	Pt. Cloudy				
Sunset: Time, 7:01 Character, Cloudy												
Moonset: 2:38 a.m.												
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.6	0					
Wind direction	NW	NW	NW	N	N	NW	N	N	N	N	N	E
Wind movement	13	13	12	9	9	7	4	3	3	5	9	11
Maximum velocities (exceeding 25 miles) direction and time												

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

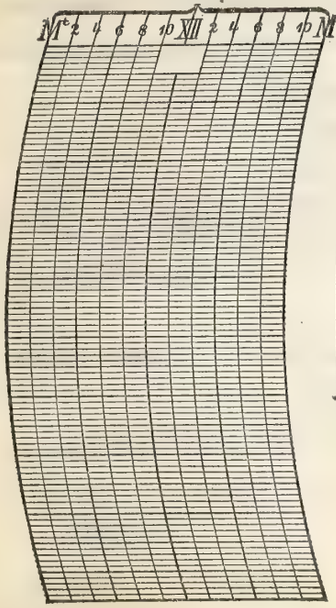
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
83	65	74	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 22 ins.; to 7 p. m., ins.
Total precipitation, midnight to midnight, inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0–10),
Actual sunshine, hours, 10.8 Possible sunshine, hours, 14.8
Per cent of possible sunshine, 73
Prevailing wind direction, NW Total wind
Average hourly velocity, 8.9 Extreme velocity,
Maximum velocity, 16 Direction,
Time began, 12:43 p.m.
Reduced barometer, 28.91 7 a. m. 7 p. m.
River gage, 8.6 Feet
Relative humidity, 90 7 a. m. 55 7 p. m.

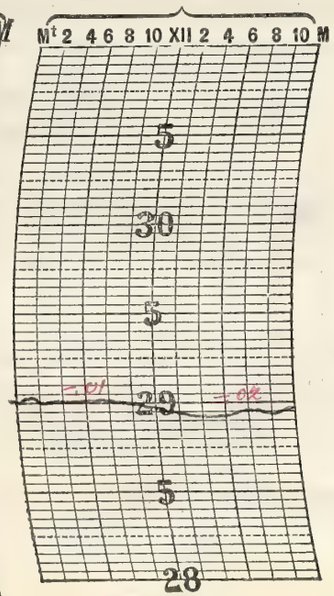
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 79.0 Wet temperature, 69.2
Dew-point, 64 R. humidity, 61 V. pressure, .574
Clouds: Amount, 2; Kind, Cu St; Direction, NW
Velocity of clouds (miles per hour)

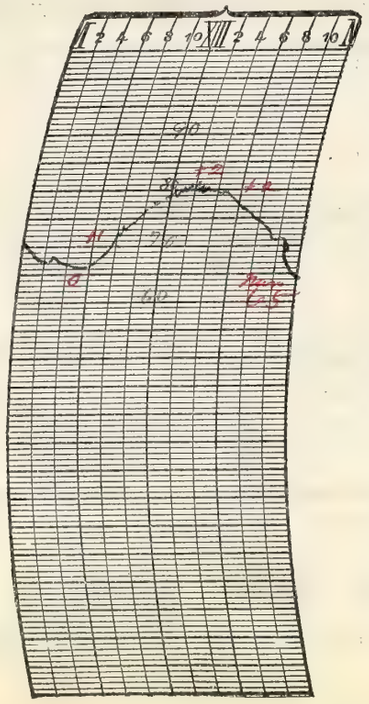
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The thunderstorm, moving from the northwest, which began at 10:45 p.m. on the 24th ended during the night a.m. This date a healthy cloudy and moderately warm day.

Prepared by [illegible]
Verified by [illegible]

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) ....., *(Day of week)* ....., *(Date)* ....., *192*

Time (local standard). ... mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	64	63	62	63	61	61	63	63	63	65	68	68
State of weather: Nature of precipitation and time of beginning and ending									✓	RB 9:10 RE 9:30		
Amounts of precipitation										T		
Cloudiness and other conditions							Cloudy					
Sunrise: Time, Character,	4:14 Cloudy											
Moonrise:	10:00											
Sunshine (in tenths of hours)	✓				0	0	0	0	0	0.5	0.9	[illegible]
Wind direction	E	E	E	E	E	E	E	E	E	E	E	E
Wind movement	9	7	5	3	7	9	11	11	7	8	7	7
Maximum velocities (exceeding 20 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	68	69	69	69	70	70	69	68	67	67	66	66
State of weather: Nature of precipitation and time of beginning and ending							✓	RD 7:35 RE 7:38				
Amounts of precipitation								T				
Cloudiness and other conditions				Cloudy								
Sunset: Time, Character,									7:08 Cloudy			
Moonset:									8:00			
Sunshine (in tenths of hours)	0	0	0	0	0.6	0.6	0	0				
Wind direction	E	E	E	E	E	E	SE	E	E	E	E	E
Wind movement	6	7	4	8	9	10	7	5	7	7	7	[illegible]
Maximum velocities (exceeding 20 miles) direction and time												

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts .....

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
70	61	66	✓

Total depth of snow for 24 hours ending ... p. m., ... inches.

Snow, sleet, and hail on ground ... p. m., ... inches.

Total snowfall, midnight to midnight, ... inches.

Precipitation to ... a. m., ... ins.; to ... p. m., ... ins.

Total precipitation, midnight to midnight, ... inches.

Character of day, Cloudy Moon phase, ...

Average daily cloudiness (0-10), 10

Actual sunshine, hours, 2.2 Possible sunshine, hours, 14.5

Per cent of possible sunshine, 15

Prevailing wind direction, E Total wind .....

Average hourly velocity, ... Extreme velocity, ...

Maximum velocity, 14 Direction, ...

Time began, 5:32 a.m.

Reduced barometer, 29.89 a. m. ..., p. m.

River gage, 8.8 feet

Relative humidity, 77 a. m. 81 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

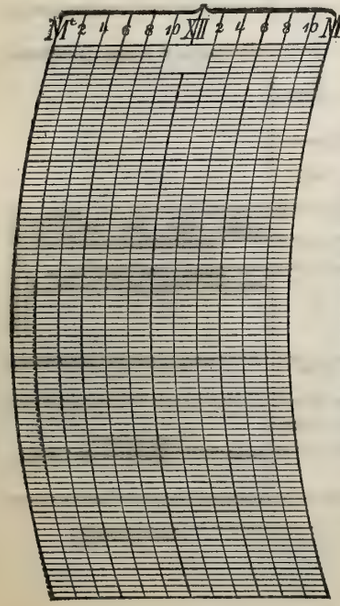
Dry temperature, 68.2 Wet temperature, 63.6

Dew-point, 60 R. humidity, 8 V. pressure, .536

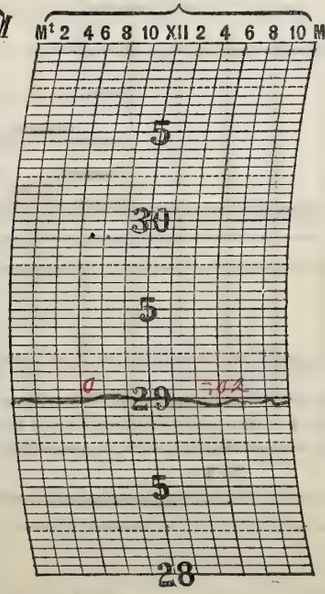
Clouds: Amount, 10; Kind, St; Direction, E

Velocity of clouds (miles per hour) .....

THERMOGRAPH.



BAROGRAPH.



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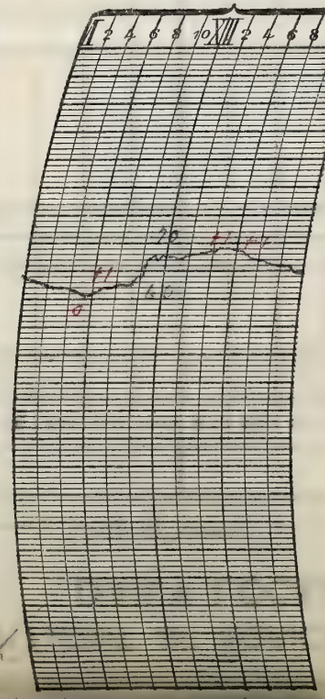


NOTES.

A cloudy and moderately warm day with a very light shower

Prepared by .....

Verified by .....

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) _____, (*Day of week*) _____, (*Date*) _____, 192

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	64	63	63	62	63	65	68	74	75	79	82	86
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Cloudy				1P Cloudy	
Sunshine (in tenths of hours)					0	0	0.3	0.4	0.7	0.4	0.5	0.0
Wind direction	E	E	E	E	E	E	E	S	SW	S	S	S
Wind movement	6	6	7	6	5	3	4	3	3	6	7	9
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	88	87	87	87	86	84	82	80	76	75	72 RB 10:53	67
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation											T	
Cloudiness and other conditions	Cloudy		Cloudy		1P Cloudy		Clear					
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.7	0.8	0.5				
Wind direction	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	S
Wind movement	13	15	18	17	15	13	11	11	9	9	9	14
Maximum velocities (exceeding 29 miles) direction and time												

Sunrise: Time, 4:43 Character, Cloudy
Moonrise: 11:42a

Sunset: Time, 7:03 Character, Clear
Moonset: 9:04a

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
88	62		

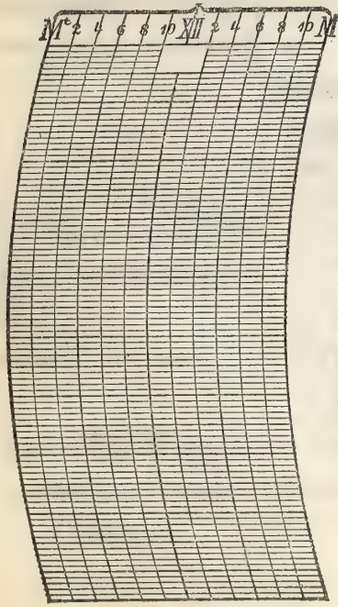
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt. Cloudy Moon phase, _____
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 10.6 Possible sunshine, hours, 14.8
Per cent of possible sunshine, 72
Prevailing wind direction, SW Total wind 91
Average hourly velocity, 9 Extreme velocity, _____
Maximum velocity, 24 Direction, _____
Time began, 11:20a
Reduced barometer, 29.8 7 a. m. 29.7 p. m.
River gage, 2.4 Fall
Relative humidity, 83 7 a. m. 30 7 p. m.

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

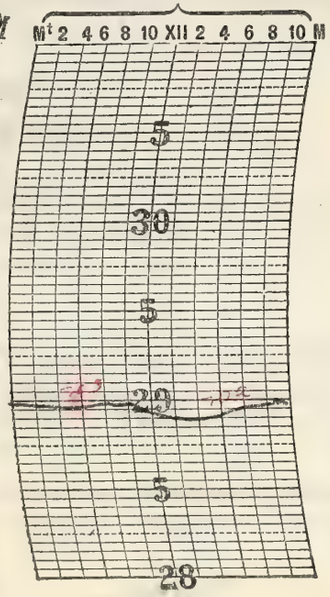
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 84.0 Wet temperature, 71.0
Dew-point, 66 R. humidity, 54 V. pressure, _____
Clouds: Amount, 7; Kind, Cirr; Direction, _____
Velocity of clouds (miles per hour) _____

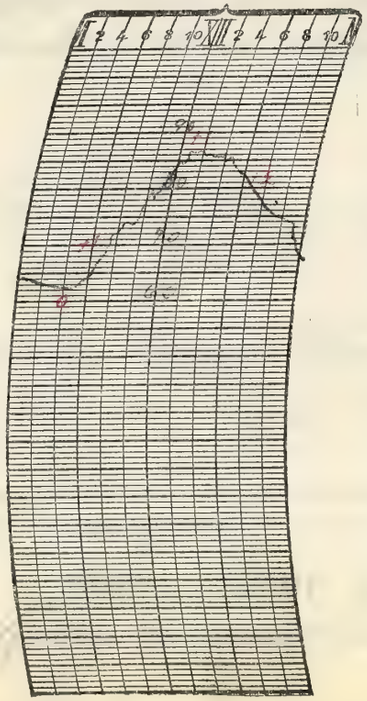
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A partly cloudy and unusually warm day.

A thunderstorm moving S and the west began at 10:48 pm and continued after midnight.

Prepared by _____

Verified by _____

8—180

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) [illegible], (*Day of week*) [illegible], (*Date*) [illegible], 192

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	66	66	67	68	68	70	71	75	76	77	78	77
State of weather: Nature of precipitation and time of beginning and ending	RE 10:50											
Amounts of precipitation	.01											
Cloudiness and other conditions	← Clear →											
Sunrise: Time, Character,	4:43 Clear											
Moonrise:	11:45p											
Sunshine (in tenths of hours)					.73 0	0.6 0.4	1.0	1.0	2.2	1.0	1.0	1.0
Wind direction	S	S	S	SW	SW	S	SW	SW	SW	W	W	W
Wind movement	10	12	10	12	11	13	16	15	14	16	18	[illegible]
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	77	78	76	70	71	70	70	69	68	67	66	65
State of weather: Nature of precipitation and time of beginning and ending			RE 2:44	RE 3:45								
Amounts of precipitation			T	.01								
Cloudiness and other conditions	← Cloudy →				← Pt. Cloudy →							
Sunset: Time, Character,									7:05 Cloudy			
Moonset:									10:12p			
Sunshine (in tenths of hours)	0.2	1.0	0.4	0	1.0	0.7	0.1	0				
Wind direction	W	W	W	W	NW	NW	NW	NW	NW	NW	W	NW
Wind movement	17	13	18	11	15	13	12	[illegible]	10	9	10	
Maximum velocities (exceeding 29 miles) direction and time												

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
80	65	72	

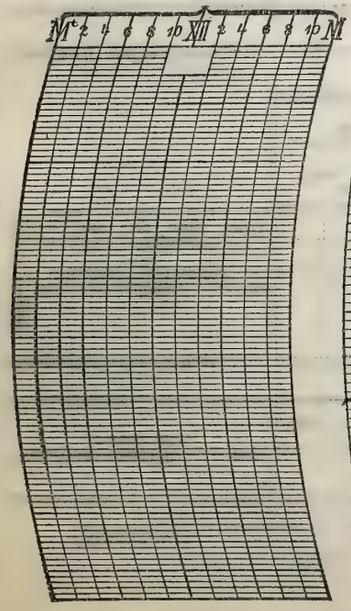
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .01 ins.; to 7 p. m., .01 ins.
Total precipitation, midnight to midnight, .02 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10),
Actual sunshine, hours, 11.8 Possible sunshine, hours, 14.4
Per cent of possible sunshine, 80
Prevailing wind direction, W Total wind
Average hourly velocity, 12.0 Extreme velocity,
Maximum velocity, 23 Direction,
Time began, 12:13 a.m.
Reduced barometer, 29.90 7 a. m. 29.96 7 p. m.
River gage, 6.6 feet
Relative humidity, 81 7 a. m. 7 p. m.

	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

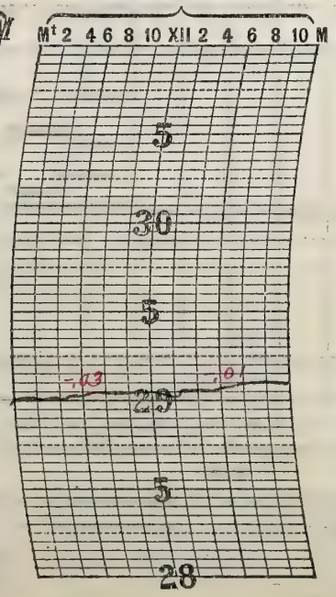
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 78.0 Wet temperature, 66.0
Dew-point, 59 R. humidity, 52 V. pressure, .499
Clouds: Amount, 7; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

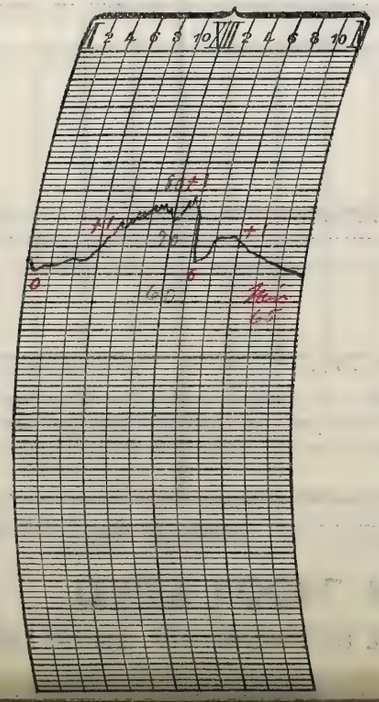
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The thunderstorm which commenced on the night of the 19th ended at 12:50 a.m.

A thunderstorm coming from the northwest began at 6:55 p.m. and ended at 8:15 p.m. Intensity and precipitation light.

Prepared by [illegible]
Verified by R. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) _____, (*Day of week*) _____, (*Date*) _____, 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	64	62	63	61	61	62	63	66	69	71	73	75	78	80	82	82	81	80	8[illegible]	77	73	72	71	69
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						← Cloudy				← P.Cldy			— Clear				— Clear							
Sunrise: Time, 4:12 Character, Cloudy																					Sunset: Time, 7:04 Character, Clear			
Moonrise:																					Moonset: 11:08 a			
Sunshine (in tenths of hours)					0	0	0	3	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6 / 0.4	0.7 / 0				
Wind direction	NW	NW	NW	NW	NW	N	N	N	N	N	N	N	N	N	N	N	N	NE	NE	N	N	N	N	N
Wind movement	9	9	8	9	8	8	8	8	8	9	8	10	9	9	10	11	11	9	5	3	1	4	4	4
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
82	61	72	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase, 4 [illegible]

Average daily cloudiness (0–10), 3

Actual sunshine, hours, 12.3 Possible sunshine, hours, 14.[illegible]

Per cent of possible sunshine, 83

Prevailing wind direction, N Total wind 170

Average hourly velocity, 7.5 Extreme velocity, 15

Maximum velocity, 14 Direction, N

Time began, 4:37 p.m.

Reduced barometer, 30.05 7 a. m. 30.04 7 p. m.

River gage, 6.6 Feet

Relative humidity, 86 7 a. m. 27 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

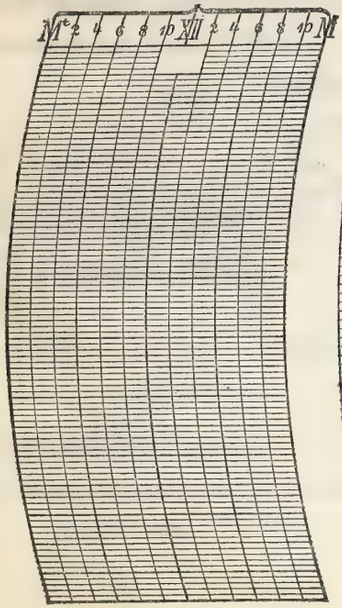
Dry temperature, 75.6 Wet temperature, 65.1

Dew-point, 61 R. humidity, 61 V. pressure, 5.33

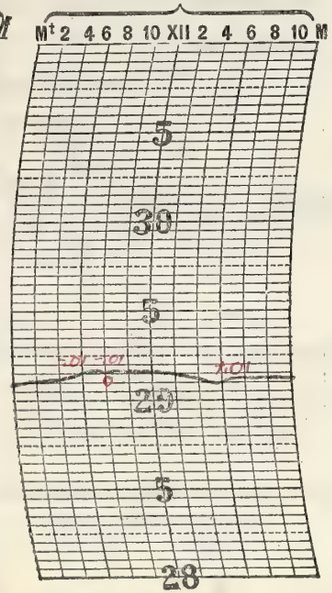
Clouds: Amount, 1; Kind, Cu; Direction, N

Velocity of clouds (miles per hour)

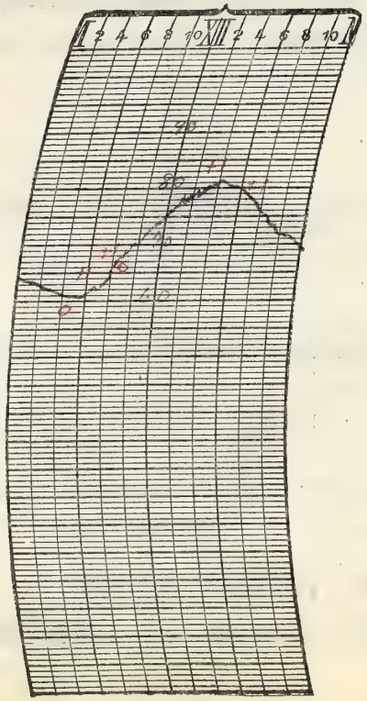
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A clear and warm day

Prepared by _____

Verified by _____

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) _____, (Date) _____, 192

Time (local standard). 90 mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	68	65	65	64	65	68	72	76	79	81	82	83	84	84	84	84	83	82	82	78	76	73	72	70
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions								Clear								Clear								
Sunrise: Time, 4:12 Character, Clear																					Sunset: Time, 7:02 Character, Clear			
Moonrise: 12:45a																					Moonset: 12:46p			
Sunshine (in tenths of hours)					.80 0	0.1 0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6 0.4	0				
Wind direction	N	N	N	N	N	N	NE	NE	E	NE	NE	NE	NE	NE	E	NE	E	E	E	E	E	E	E	E
Wind movement	4	4	4	5	3	4	4	5	6	4	6	8	10	8	8	8	8	6	4	3	2	1	1	1
Maximum velocities (exceeding 25 miles) direction and time																								

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

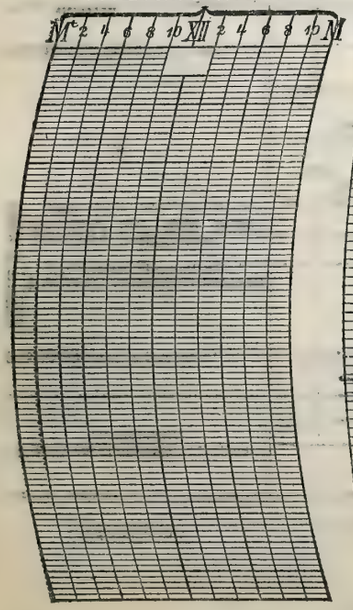
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
85	64	74	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, _____
Average daily cloudiness (0-10), 0
Actual sunshine, hours, 14.6 Possible sunshine, hours, 14.7
Per cent of possible sunshine, 95
Prevailing wind direction, E Total wind 115
Average hourly velocity, 4.9 Extreme velocity, 25
Maximum velocity, 13 Direction, NE
Time began, 12:24 p. m.
Reduced barometer, 30.02 7 a. m. 29.99 7 p. m.
River gage, 6.9 Rise
Relative humidity, 74 7 a. m. 57 7 p. m.

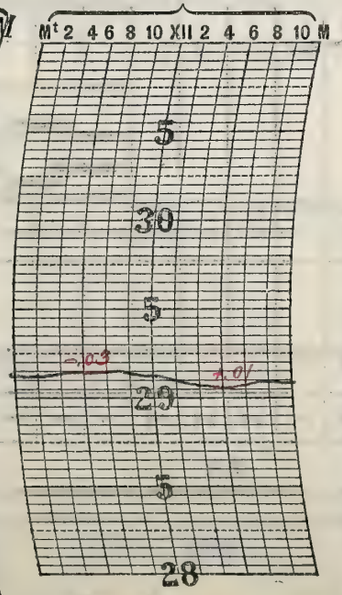
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 83.6 Wet temperature, 70.6
Dew-point, 65° R. humidity, 55 V. pressure, .616
Clouds: Amount, Few; Kind, Cu; Direction, _____
Velocity of clouds (miles per hour) _____

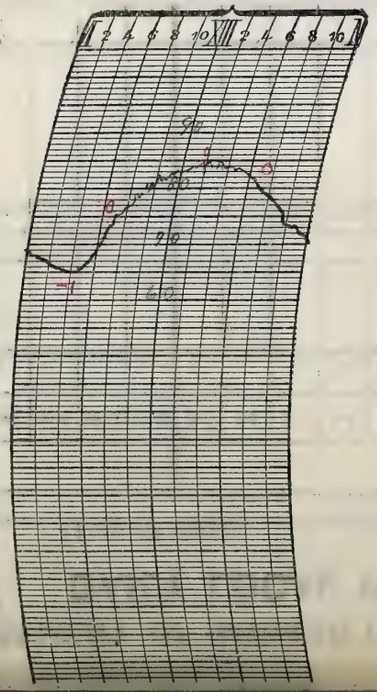
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A clear, hot day with brisk easterly winds

Prepared by _____

Verified by _____

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) _____, (Date) _____, 192

Time (local standard). 90th mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	70	68	68	66	67	71	73	78	80	84	85	86
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						←		Clear				
Sunshine (in tenths of hours)					.82 0	0.3 0.7	1.0	1.0	1.0	1.0	1.0	1.0
Wind direction	E	E	E	E	N	N	SE	S	S	W	NW	N
Wind movement	1	1	1	1	2	4	3	6	6	4	6	5
Maximum velocities (exceeding 22 miles) direction and time												

Sunrise: Time, 4:11 Character, Clear

Moonrise: 12:43a

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	88	85	84	84	82	81	80	66 RB 7:04	65	67 RE 9:45	67	66
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation								.89	.08	.01		
Cloudiness and other conditions		×	Pt. Cloudy			×	Cloudy				× Pt. Cloudy	
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	.8	.8	.2				
Wind direction	NE	NE	NE	NE	NE	NE	E	SW	NE	E	NE	SW
Wind movement	7	6	11	12	11	9	7	26	14	12	5	4
Maximum velocities (exceeding 22 miles) direction and time								30 SW 9:13				

Sunset: Time, 7:06 Character, Cloudy

Moonset: 1:14p

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
88	64	76	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, .98 inches.

Character of day, Clear Moon phase, _____

Average daily cloudiness (0-10), 3

Actual sunshine, hours, 12.8 Possible sunshine, hours, 14.3

Per cent of possible sunshine, 86

Prevailing wind direction, NE & E Total wind 149

Average hourly velocity, 6.2 Extreme velocity, 40

Maximum velocity, 30 Direction, SW

Time began, 7:13 p.m.

Reduced barometer, 29 a. m. 29.4 p. m.

River gage, Sup. Fall

Relative humidity, 66 7 a. m. 65 7 p. m.

	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts	7:04p	9:45p	0.98	7:11p	7:36p	.01	.10	.29	.57	.73	.80									

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

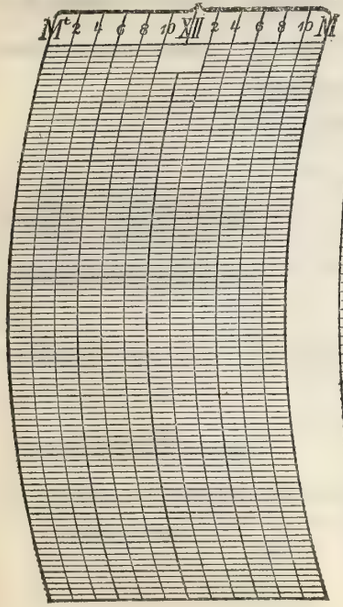
Dry temperature, 85.6 Wet temperature, 68.0

Dew-point, 59 R. humidity, 44 V. pressure, .4

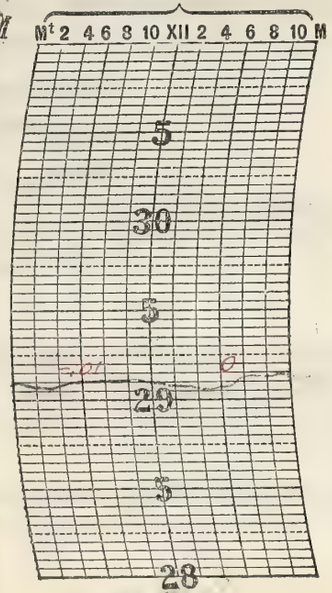
Clouds: Amount, Few; Kind, Cu; Direction, NW

Velocity of clouds (miles per hour)

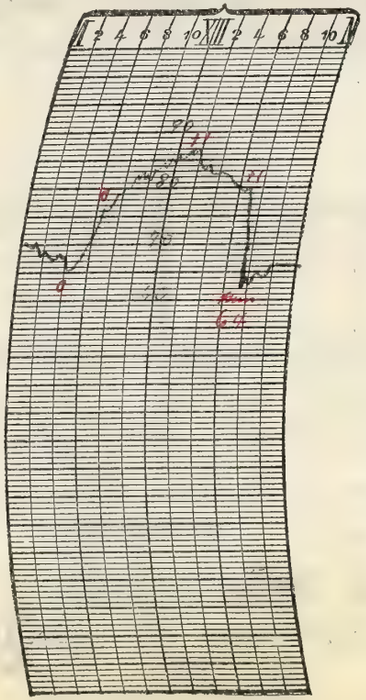
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A clear, hot and sultry day. Pressure slow.

A thunderstorm moved out of the northwest and commenced at 7:01 p.m. The storm was attended by a heavy downpour of rain, peals of thunder, and sharp lightning. It passed off or ended at 7:36 p.m.

Prepared by _____

Verified by _____

8—186

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) _____, (*Day of week*) _____, (*Date*) _____, 192

Time (local standard). ___ mer. normal time.	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	65	64	63	60	59	50	57	60	60	64	66	69	71	70	70	70	69	68	67	63	61	60	58	57
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						← Cloudy									Cloudy				Clear					
	Sunrise: Time, 4:11 Character, Cloudy. Moonrise: 1:14a																				Sunset: Time, 7:07 Character, Cloudy. Moonset: 2:16p			
Sunshine (in tenths of hours)					0	0	0	0	0	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0					
Wind direction	NW	NE	NE	NE	NE	NE	NE	NE	NE	NE	E	E	E	E	E	E	E	E	E	E	E	E	E	E
Wind movement	3	7	15	14	9	10	10	11	11	11	12	12	12	16	15	15	14	14	13	11	10	11	10	12
Maximum velocities (exceeding ___ miles) direction and time																								

	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

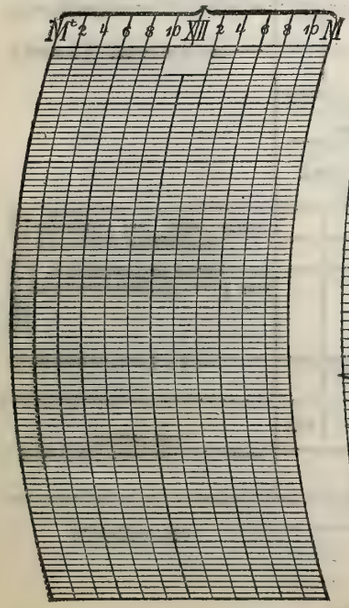
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
72	57	64	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .95 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase, _____
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 8.7 Possible sunshine, hours, 14.3
Per cent of possible sunshine, 61
Prevailing wind direction, E Total wind 270
Average hourly velocity, 11.5 Extreme velocity, 21
Maximum velocity, 19 Direction, E
Time began, 1:55 p.m.
Reduced barometer, 30.0 a. m. 30 p. m.
River gage, 5.0 feet.
Relative humidity, 85 a. m. 80 p. m.

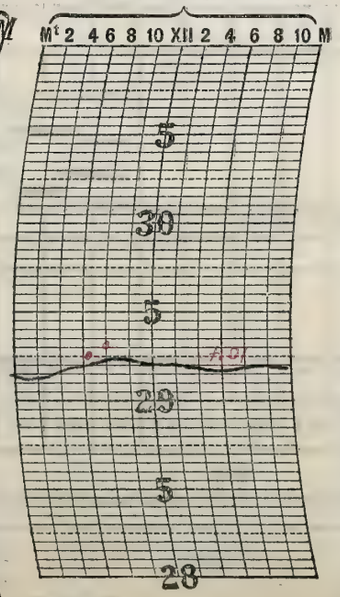
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 67.1 Wet temperature, 62.0
Dew-point, 59 R. humidity, 75 V. pressure, _____
Clouds: Amount, 8; Kind, Ac.; Direction, _____
Velocity of clouds (miles per hour) _____

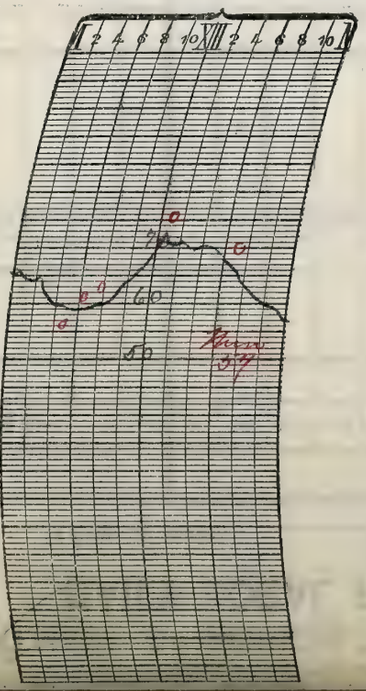
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The thunderstorm of the 9th caused a decided fall in temperature and today opened cloudy and cool. A cloudy and moderately cool day.

Prepared by _____

Verified by _____

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) Thursday, (Date) [illegible], 192

Time (local standard). 90 mer. normal time.

	A. M.												P. M.											
	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	55	54	54	53	53	56	62	66	71	76	80	86	86	89	89	89	87	85	84	80	78	77	70	68
State of weather. Nature of precipitation and time of beginning and ending																							AB 10:30	
Amounts of precipitation																								
Cloudiness and other conditions						← Clear							× Pt. Cloudy ×					Clear		× Pt. Cldy	× Cloudy →			
Sunshine (in tenths of hours)					.83 0	0.9 0	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9	1.0	0	0				
Wind direction	E	E	E	E	NE	E	E	E	SE	SE	S	S	S	SE	SW	S	S	S	S	S	S	S	W	NW
Wind movement	8	8	7	6	6	6	5	5	3	4	5	5	5	7	8	9	8	6	5	7	5	9	14	10
Maximum velocities (exceeding [illegible] miles) direction and time																								

Sunrise: Time, 4:10; Character, Clear. Moonrise: 11:62.

Sunset: Time, 7:00; Character, Cloudy. Moonset: 5:12 P.

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
90	53	72	

Total depth of snow for 24 hours ending 7 p. m., [illegible] inches.

Snow, sleet, and hail on ground 7 p. m., [illegible] inches.

Total snowfall, midnight to midnight, [illegible] inches.

Precipitation to 7 a. m., 0 ins.; to [illegible] p. m., 0 ins.

Total precipitation, midnight to midnight, [illegible] inches.

Character of day, Clear. Moon phase, [illegible]

Average daily cloudiness (0–10), 3

Actual sunshine, hours, 12.4 Possible sunshine, hours, 15.2

Per cent of possible sunshine, 89

Prevailing wind direction, [illegible] Total wind [illegible]

Average hourly velocity, 6.7 Extreme velocity, [illegible]

Maximum velocity, 26 Direction, NW

Time began, 10:38 p.m.

Reduced barometer, 30.[illegible] 7 a. m. 29.[illegible] 3, p. m.

River gage, 5.6 Feet

Relative humidity, 82 7 a. m. 5[illegible] 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

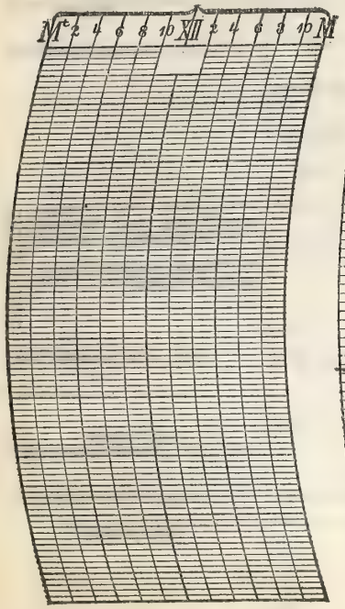
Dry temperature, 83.2 Wet temperature, 70.2

Dew-point, 64 R. humidity, 53 V. pressure, [illegible]

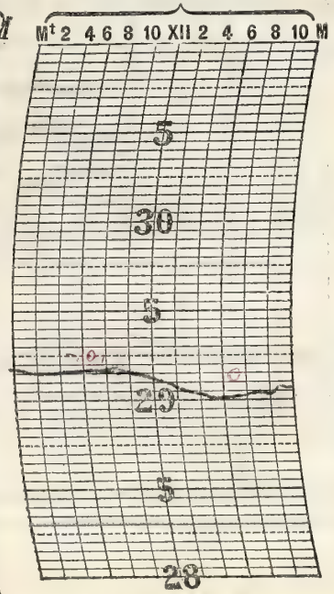
Clouds: Amount, Few; Kind, Cu.; Direction, [illegible]

Velocity of clouds (miles per hour)

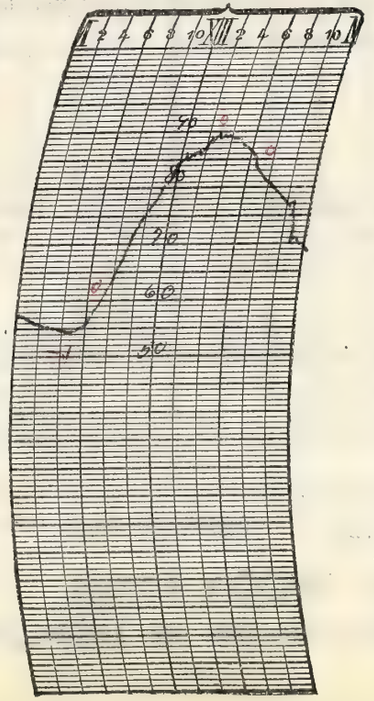
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A clear and very warm day. A thunderstorm moving from the northwest commenced at 10:15 p.m. and continued until the [illegible]

Prepared by [illegible]

Verified by [illegible]

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) _____, (*Day of week*) _____, (*Date*) _____, 192

Time (local standard). ____ mer. normal time.	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	67	67	68	68	68	69	70	72	75	76	78	80	80	78	76	73	71	70	70	68	64	62	59	58
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation	.09	.01	.01																					
Cloudiness and other conditions						←	Pt. Cloudy			×	Cloudy		—	Cloudy					×	Pt. Cloudy		× Clear		→
Sunshine (in tenths of hours)					0	0.2	0.1	0.4	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	0.4	0	0				
Wind direction	SW	S	S	S	SW	SW	SW	N	NW	NW	NW	W	NW	NW	NW	N	N	N	N	N	N	N	N	NE
Wind movement	11	7	12	8	6	6	6	7	10	9	10	8	9	13	17	16	15	11	9	10	11	12	16	11
Maximum velocities (exceeding ____ miles) direction and time																								

Sunrise: Time, 4:10 Character, Cloudy
Moonrise: 8:41 p.

Sunset: Time, 7:58 Character, Cloudy
Moonset: 11:45 p.

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

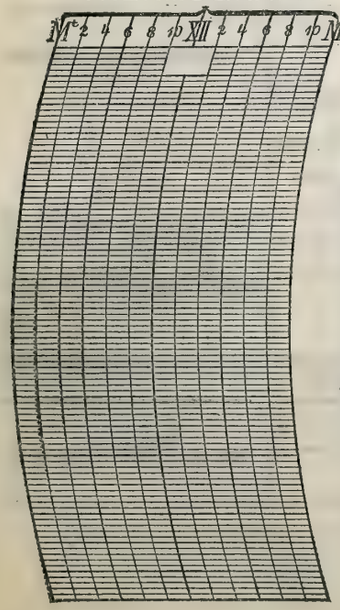
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
82	58	70	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .10 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, .10 inches.
Character of day, Cloudy Moon phase, _____
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 9.4 Possible sunshine, hours, 14.0
Per cent of possible sunshine, 67
Prevailing wind direction, N Total wind 2453
Average hourly velocity, 10.5 Extreme velocity, 22
Maximum velocity, 25 Direction, NE
Time began, 9:45 p.m.
Reduced barometer, 30.02 7 a. m. 30.10 7, p. m.
River gage, 5.0 feet
Relative humidity, 95 7 a. m. 76 7 p. m.

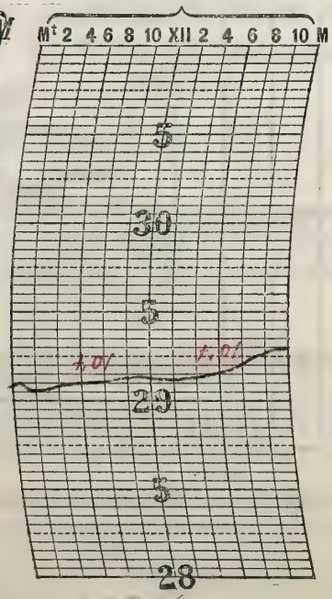
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 80.8 Wet temperature, 69.0
Dew-point, 63 R. humidity, 55 V. pressure, .576
Clouds: Amount, 8; Kind, Cu; Direction, _____
Velocity of clouds (miles per hour) _____

THERMOGRAPH.



BAROGRAPH.



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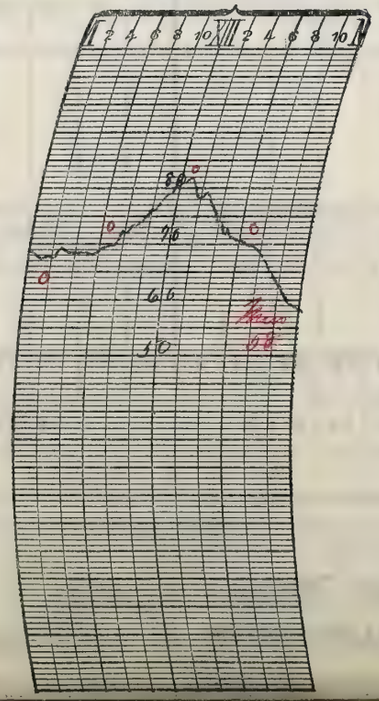


NOTES.

The thunderstorm which commenced on the night of the 6th ended during the night and was attended by heavy rain and an electrical display.

A cloudy and moderately warm day.

Prepared by _____

Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) May 4 20, 192

Time (local standard). 90 mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	56	54	51	48	46	48	49	53	55	58	61	63
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						←			Clear			→
Sunrise: Time, Character, 4:10 Clear												
Moonrise: 9:09a												
Sunshine (in tenths of hours)					.82 0	0.1 0.9	1.0	1.0	1.0	1.0	1.0	1.0
Wind direction	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
Wind movement	12	12	13	12	9	11	11	12	10	11	12	14
Maximum velocities (exceeding 27 miles) direction and time												

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	64	65	65	65	64	63	63	58	56	54	52	51
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					Pt. Cloudy			Clear				→
Sunset: Time, Character, 7:09 Clear												
Moonset: 5:29p												
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	0.9	0.9	0.8 0.2	.15 0				
Wind direction	NE	NE	NE	NE	NE	NE	NE	E	E	E	E	NE
Wind movement	15	15	16	13	14	13	8	7	8	7	6	6
Maximum velocities (exceeding 27 miles) direction and time												

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

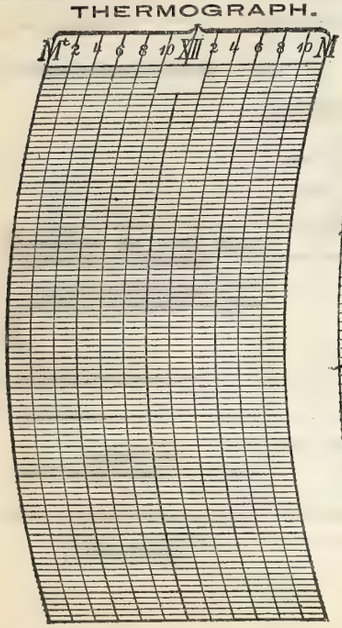
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
66	46	56	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 14.8 Possible sunshine, hours, 15.0
Per cent of possible sunshine, 99
Prevailing wind direction, NE Total wind 266
Average hourly velocity, 11.2 Extreme velocity, 22
Maximum velocity, 19 Direction, NE
Time began, 2:01 p.m.
Reduced barometer, 29.42 7 a. m. 29.40, p. m.
River gage, 4.0 Feet
Relative humidity, 74 7 a. m. 0 2 p. m.

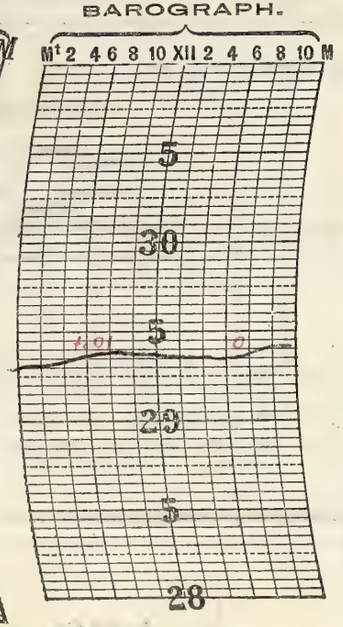
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 62.0 Wet temperature, 54.0
Dew-point, 48 R. humidity, 60 V. pressure, .334
Clouds: Amount, 2; Kind, Cu; Direction,
Velocity of clouds (miles per hour)

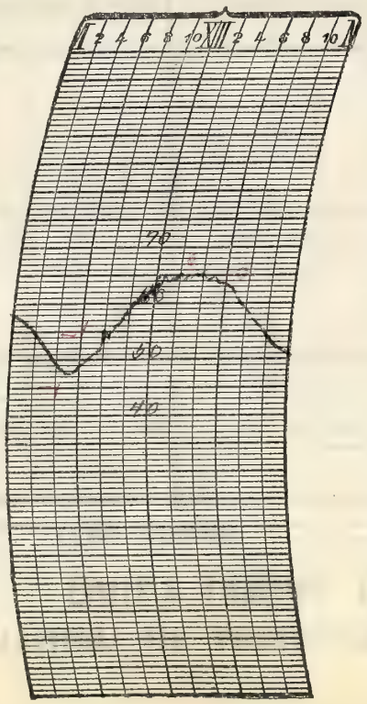
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A clear and cool day, very exhilarating.

Prepared by

Verified by O. W. Kennedy

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Wayne, Nebr., (Day of week) Sunday, (Date) July 6 1921, 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	48	47	46	44	43	45	48	52	55	57	60	63
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Clear						
Sunrise: Time, Character, 4:09 Clear												
Moonrise: 3:50 a												
Sunshine (in tenths of hours)					.85 0	0.1 0.9	1.0	1.0	1.0	1.0	1.0	1.0
Wind direction	NE	NE	NE	NE	NE	NE	NE	E	NE	NE	E	NE
Wind movement	7	9	9	10	11	11	12	13	11	12	11	13
Maximum velocities (exceeding 22 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	65	66	67	67	66	65	64	59	57	55	53	52
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Pt. Cloudy →					
Sunset: Time, Character, 7:09 Clear												
Moonset: 6:35 p												
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.2	0	0				
Wind direction	E	NE	NE	NE	E	NE	NE	E	E	E	E	E
Wind movement	12	12	12	11	10	10	7	6	8	6	6	6
Maximum velocities (exceeding 22 miles) direction and time												

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
68	43	56	

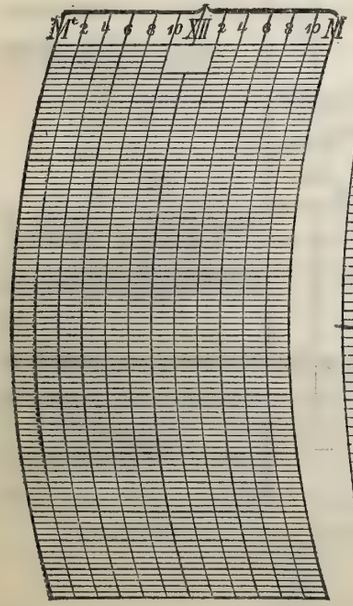
Total depth of snow for 24 hours ending 7 p. m., ____ inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, ____ inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, ____ inches.
Character of day, Clear Moon phase, ____
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 13.0 Possible sunshine, hours, 14.0
Per cent of possible sunshine, 93
Prevailing wind direction, NE Total wind 2[illegible]
Average hourly velocity, 9.2 Extreme velocity, 17
Maximum velocity, 16 Direction, [illegible]
Time began, 6:35 a.m.
Reduced barometer, 30.40 7 a. m. 30.31 7 p. m.
River gage, 3.9 Fall
Relative humidity, 73 % a. m. [illegible] % p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

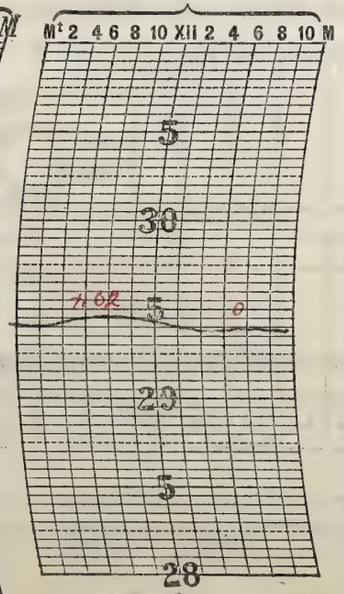
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 62.0 Wet temperature, 55.0
Dew-point, 50 R. humidity, 64 V. pressure, [illegible]
Clouds: Amount, Few; Kind, Cirr.; Direction, [illegible]
Velocity of clouds (miles per hour)

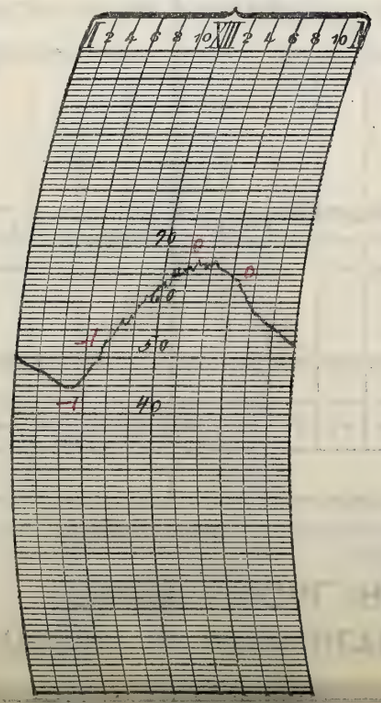
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A bright solar halo of 22° radius was observed at 3:30 pm and disappeared about 4:15.

A clear, cool and very invigorating day with an abundance of warm sunshine.

Prepared by [illegible]
Verified by C. M. Hardcastle

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) [illegible], 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	50	49	47	46	47	53	56	61	65	62	68	69
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Clear						
Sunrise: Time, Character, 4:09 Clear. Moonrise: 4:44a												
Sunshine (in tenths of hours)					.85 0	0.2 0.8	1.0	1.0	1.0	1.0	1.0	1.0
Wind direction	E	E	E	NE	NE	NE	E	E	E	NE	NE	NE
Wind movement	4	4	2	5	7	5	7	6	6	5	6	6

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	70	71	72	72	71	71	70	67	65	61	60	60
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions		Clear					×	Pt. Cloudy				
Sunset: Time, Character, 7:10 Clear. Moonset: 7:32p												
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	1.0	1.0 0	.17 0				
Wind direction	NE	NE	E	NE	NE	NE	NE	NE	NE	E	E	E
Wind movement	7	8	5	5	7	8	7	5	6	8	6	6

Maximum velocities (exceeding 25 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

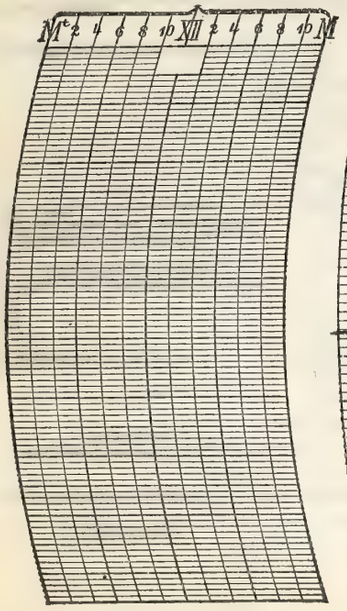
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
73	46	60	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, NEW-12:40 a.
Average daily cloudiness (0-10),
Actual sunshine, hours, 14.0 Possible sunshine, hours, 15.0
Per cent of possible sunshine, 100
Prevailing wind direction, NE Total wind 143
Average hourly velocity, 6.0 Extreme velocity,
Maximum velocity, 12 Direction,
Time began, 1:16 a.
Reduced barometer, 30.0 7 a. m. , p. m.
River gage, 3.5 Fall
Relative humidity, 63 7 a. m. 70 p. m.

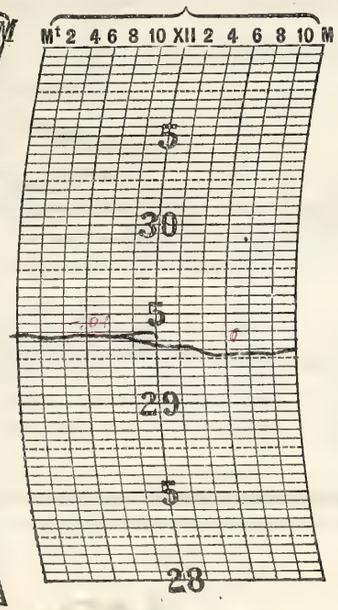
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 68.2 Wet temperature,
Dew-point, 44 R. humidity, 42 V. pressure,
Clouds: Amount, Few; Kind, Cst; Direction,
Velocity of clouds (miles per hour)

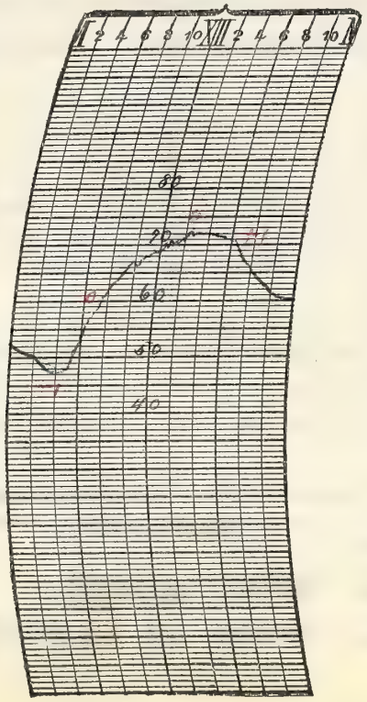
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Heavy dew & frost early this morning.
P. clear, warm and altogether a very pleasant day.

Prepared by [illegible]
Verified by J. McFarlane

8—186

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) _____, (*Day of week*) _____, (*Date*) _____, 192

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	60	59	58	56	55	59	62	64	68	70	72	73
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						←	Clear					
Sunshine (in tenths of hours)					.85 0	0.2	0.8	1.0	1.0	1.0	1.0	1.0
Wind direction	E	E	E	E	E	E	E	E	E	E	E	E
Wind movement	5	6	6	5	4	5	4	5	6	6	7	6

Sunrise: Time, 4:09 Character, Clear

Moonrise: 9:14 A

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	75	76	77	76	74	74	72	67	65	64	62	62
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions			Clear			×	Pt	Cloudy				
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.6	0	0				
Wind direction	E	E	SE	SE	SE	E	E	E	E	E	E	E
Wind movement	7	6	5	5	5	6	6	9	10	9	9	6

Sunset: Time, 7:10 Character, Cloudy

Moonset: 8:33 P

Maximum velocities (exceeding 28 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
77	55	66	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase, _____

Average daily cloudiness (0-10), 1

Actual sunshine, hours, 13.2 Possible sunshine, hours, 14.7

Per cent of possible sunshine, 88

Prevailing wind direction, E Total wind 1100

Average hourly velocity, 6.7 Extreme velocity, _____

Maximum velocity, 11 Direction, _____

Time began, 8:13 p.m. _____

Reduced barometer, 30.17 a. m. 30.16, p. m.

River gage, 3.2 p.m.

Relative humidity, 53 a. m. 43 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

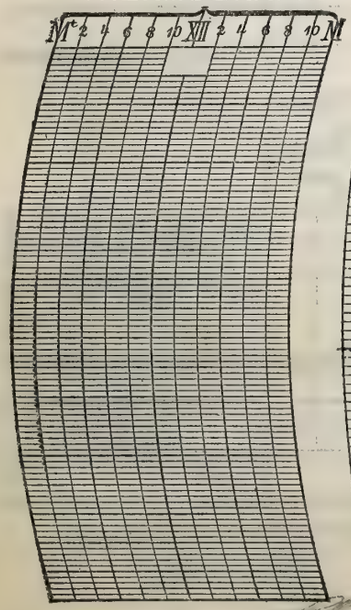
Dry temperature, 72.6 Wet temperature, 57.0

Dew-point, 45 R. humidity, 47 V. pressure, .298

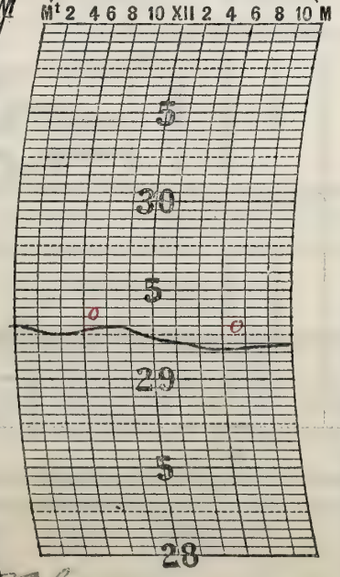
Clouds: Amount, 1; Kind, Cu St.; Direction, NW

Velocity of clouds (miles per hour)

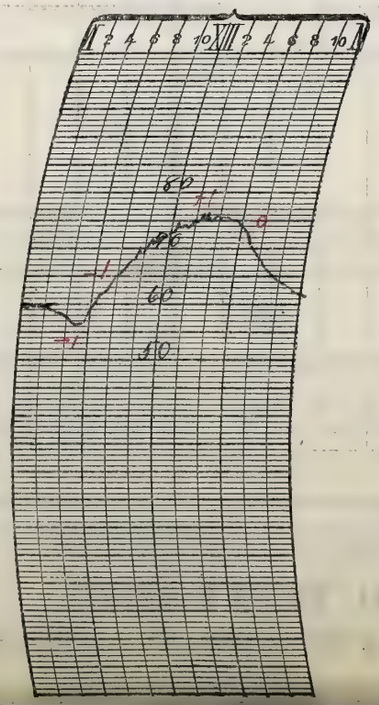
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A clear and cool and altogether a pleasant and invigorating day.

Prepared by _____

Verified by _____

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) AUG. 2 1911, 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	61	61	60	60	60	60	61	62	66	69	74	75
State of weather: Nature of precipitation and time of beginning and ending								RB 7:10 RE 7:15				
Amounts of precipitation								T				
Cloudiness and other conditions	← Cloudy											
Sunrise: Time, Character,	4:09 Cloudy											
Moonrise:	6:52 a											
Sunshine (in tenths of hours)					0	0	0	0	0.5	0.9	1.0	1.0
Wind direction	E	E	E	E	E	E	E	E	SE	SE	SE	S
Wind movement	6	5	5	6	5	6	5	4	2	5	7	7
Maximum velocities (exceeding 22 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	75	75	76	75	73	73	72	70	68	67	66	64
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Cloudy →						Pt. Cloudy →					
Sunset: Time, Character,									7:11 Cloudy			
Moonset:									9:23 P			
Sunshine (in tenths of hours)	1.0	1.0	0.6	0.8	0	0.1	0	0				
Wind direction	S	S	S	S	S	S	SE	S	SE	SE	SE	SE
Wind movement	9	9	8	8	8	6	5	5	5	6	5	5
Maximum velocities (exceeding 22 miles) direction and time												

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
76	60	68	

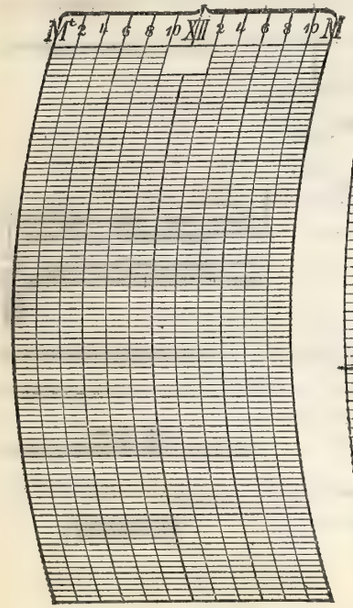
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 6.9 Possible sunshine, hours, 15.0
Per cent of possible sunshine, 46
Prevailing wind direction, E SE & S Total wind 147
Average hourly velocity, 6.1 Extreme velocity, 11
Maximum velocity, 11 Direction,
Time began, 2:38 a
Reduced barometer, 29.10 7 a. m. 29.07 p. m.
River gage, 9.0 Fall 7
Relative humidity, 73 a. m. 60 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

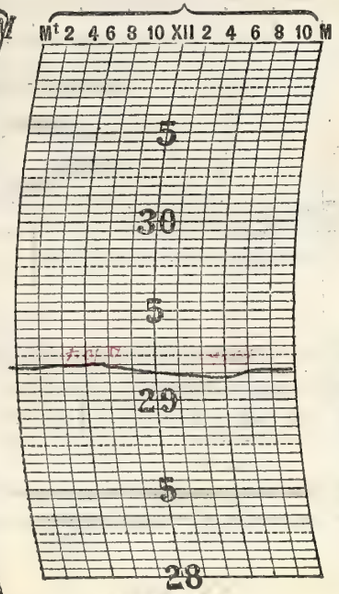
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 72.3 Wet temperature, 63.8
Dew-point, 59 R. humidity, 63 V. pressure, .499
Clouds: Amount, 9; Kind, A St.; Direction, NW
Velocity of clouds (miles per hour)

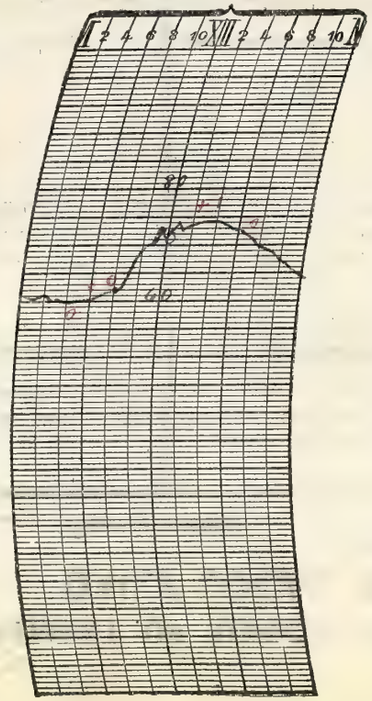
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A cloudy day with moderate temperature and a moderate amount of sunshine through thin or broken clouds.

Prepared by

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) _____, (*Day of week*) _____, (*Date*) _____, 192

Time (local standard). ___ mer. normal time.	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	64	64	63	63	63	66	69	72	76	77	79	80	81	80	84	85	81	79	78	75	75	74	72	70
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						←		Pt. Cloudy				x Cloudy	→		x Pt. Cloudy		x		Cloudy					→
Sunrise: Time, Character,	4:10 a.	Cloudy																			Sunset: Time,	7:12	Character,	Cloudy
Moonrise:	8:00 a.																				Moonset:	10:00 p.		
Sunshine (in tenths of hours)					0	0.5	1.0	1.0	1.0	1.0	1.0	0.8	1.0	0.6	1.0	1.0	0.8	0	0	0				
Wind direction	S	SE	SE	SE	SE	SE	SE	S	S	S	S	SW	SW	S	SW	NW	NE	E	NE	E	SE	S	S	SW
Wind movement	2	5	5	3	3	3	6	5	4	7	7	7	7	8	5	3	6	6	5	3	4	5	6	6
Maximum velocities (exceeding ___ miles) direction and time																								

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
85	63	74	

Total depth of snow for 24 hours ending ___ p. m., ___ inches.

Snow, sleet, and hail on ground ___ p. m., ___ inches.

Total snowfall, midnight to midnight, ___ inches.

Precipitation to ___ a. m., ___ ins.; to ___ p. m., ___ ins.

Total precipitation, midnight to midnight, ___ inches.

Character of day, Pt. Cloudy Moon phase, ___

Average daily cloudiness (0-10), 6

Actual sunshine, hours, 10.7 Possible sunshine, hours, 15.0

Per cent of possible sunshine, 71

Prevailing wind direction, S Total wind 155

Average hourly velocity, 5.2 Extreme velocity, 10

Maximum velocity, 10 Direction, S

Time began, 10:48 a. m.

Reduced barometer, 30.12 a. m. 30.03 p. m.

River gage, 2.8 Rise

Relative humidity, 78 a. m. 73 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

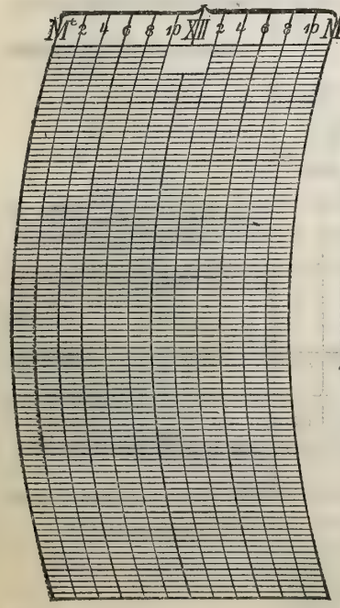
Dry temperature, 79.0 Wet temperature, 69.0

Dew-point, 64 R. humidity, 60 V. pressure, .595

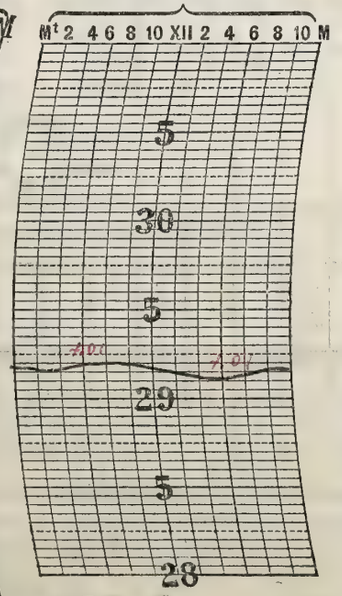
Clouds: Amount, 8; Kind, Cu.; Direction, NW.

Velocity of clouds (miles per hour)

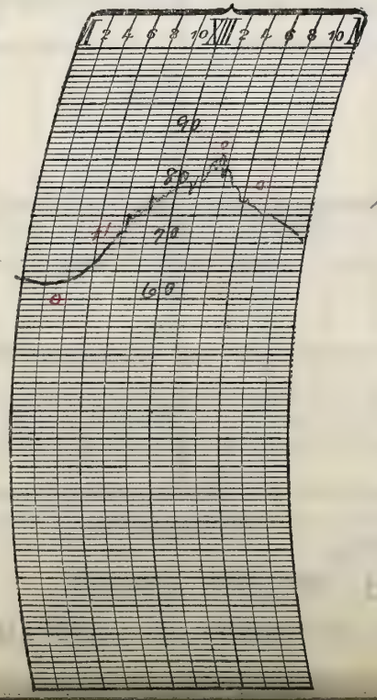
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A healthy cloudy and very warm day the heat being very oppressive in the down-town sections of the city.

Prepared by _____

Verified by _____

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) Nov 16 1917, 192

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	70	69	68	67	67	69	73	77	79	83	85	86
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Pt. Cloudy						
Sunshine (in tenths of hours)					0	0.5	1.0	1.0	0.9	1.0	1.0	1.0
Wind direction	SW	SW	SW	SW	S	S	S	S	S	S	S	S
Wind movement	5	4	4	3	4	6	7	7	8	7	9	12
Maximum velocities (exceeding 20 miles) direction and time												

Sunrise: Time, 7:08 Character, Cloudy
Moonrise: 9:12a

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	87	83	80	75	75	75	75	74	73	74	74	74
State of weather. Nature of precipitation and time of beginning and ending		RB 1:50 RE 1:53	RB 3:35	RE 3:45	RB 4:46	RE 5:15						
Amounts of precipitation		T	T	.04	T	T						
Cloudiness and other conditions		Cloudy ← Pt. Clear →			Cloudy				→			
Sunshine (in tenths of hours)	1.0	0.7	0.8	0	0	0	0	0				
Wind direction	S	SW	SW	SW	SW	SW	S	S	SW	SW	SW	SW
Wind movement	15	18	15	18	10	10	8	12	9	12	10	11
Maximum velocities (exceeding 20 miles) direction and time				30 SW 3:45								

Sunset: Time, 7:12 Character, Cloudy
Moonset: 10:46p

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
88	66	77	

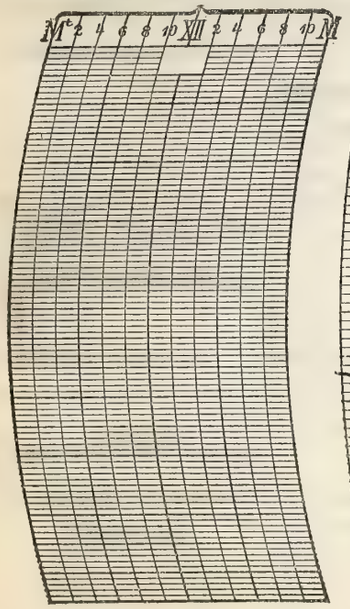
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .04 ins.
Total precipitation, midnight to midnight, .04 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 8.9 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 59
Prevailing wind direction, SW Total wind 222
Average hourly velocity, 9.2 Extreme velocity, 21
Maximum velocity, 30 Direction, S
Time began, 3:15p
Reduced barometer, 30.07 7 a. m. 29.69 7, p. m.
River gage, 2.8 ft 6 a.
Relative humidity, 78 7 a. m. 78 7 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

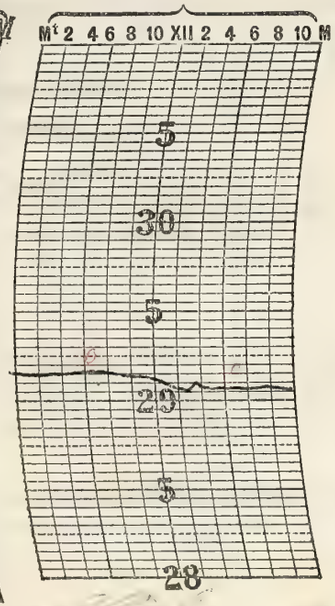
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 85.8 Wet temperature, 71.8
Dew-point, 66 R. humidity, 41 V. pressure, .638
Clouds: Amount, 6; Kind, Cu St; Direction, SW
Velocity of clouds (miles per hour)

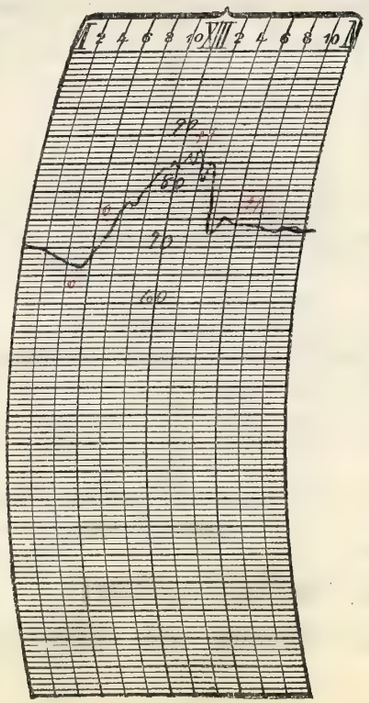
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A thunderstorm moving from the west began at 3:18 p.m. and last thunder was heard at 3:30 p.m. The storm was accompanied by a light shower and was of light intensity.

A cloudy and rather warm and sultry day with intermittent showers.

Prepared by
Verified by

3—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) _____, (Date) _____, 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	72	72	72	71	69	70	[illegible]	74	76	77	79	80
State of weather: Nature of precipitation and time of beginning and ending												RB 11:52 RE 11:57
Amounts of precipitation												T
Cloudiness and other conditions						← Cloudy						
Sunrise: Time, 4:08 Character, Cloudy												
Moonrise: 10:22a												
Sunshine (in tenths of hours)					0	0	0.5	0.5	0.1	1.0	0.9	1.0
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	11	11	11	9	9	10	11	13	15	12	16	15

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	75	70	71	76	77	78	77	75	74	74	72	71
State of weather: Nature of precipitation and time of beginning and ending	RB 12:30	RE 1:02 RB 1:57	RE 2:10 RB 2:25	RE 3:40								
Amounts of precipitation	.13	.14	.17	.01								
Cloudiness and other conditions		Cloudy					→ Pt. Cloudy					
Sunset: Time, 7:23 Character, Clear												
Moonset: 11:23 P.												
Sunshine (in tenths of hours)	0.5	0.8	0	0.7	0.9	0.6	0 S.S from 6:10 P.M.	0 0.8	0.22			
Wind direction	SW	SW	W	SW	SW	SW	SW	SW	SW	NW	NW	NW
Wind movement	15	12	8	[illegible]	13	11	7	6	4	7	6	5

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
80	69	74	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., .45 ins.

Total precipitation, midnight to midnight, .45 inches.

Character of day, Cloudy Moon phase, _____

Average daily cloudiness (0-10), 7

Actual sunshine, hours, 8.5 Possible sunshine, hours, 15.1

Per cent of possible sunshine, 56

Prevailing wind direction, SW Total wind 244

Average hourly velocity, 10.2 Extreme velocity, 29

Maximum velocity, 25 Direction, SW

Time began, 1:54 p.m.

Reduced barometer, 29.85 7 a. m. 29.[illegible] 7, p. m.

River gage, 2.9 feet

Relative humidity, 88 7 a. m. 85 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

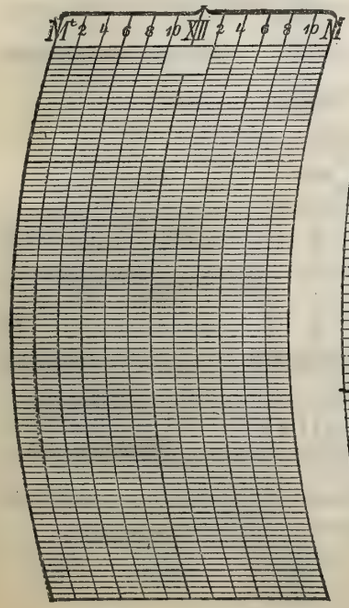
Dry temperature, 72.6 Wet temperature, 72.6

Dew-point, 70 R. humidity, 72 V. pressure, .732

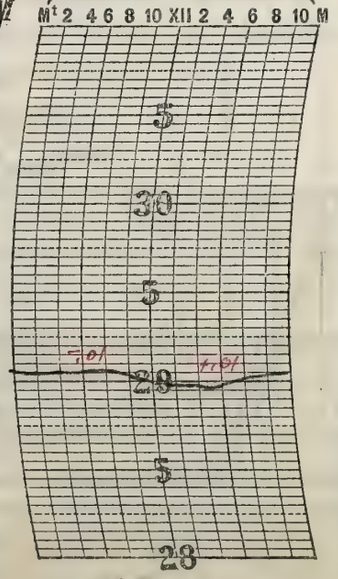
Clouds: Amount, 9; Kind, St.Cu.; Direction, W

Velocity of clouds (miles per hour) _____

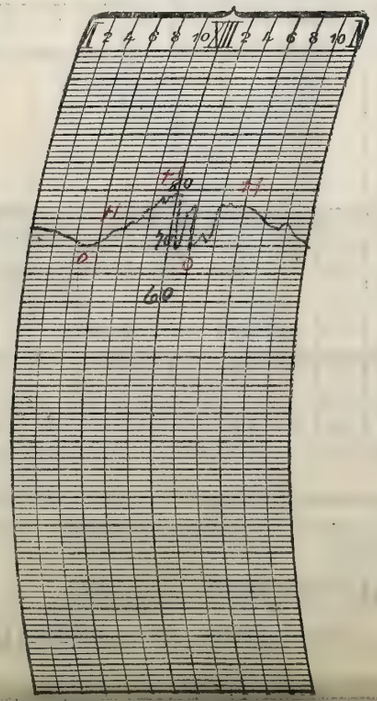
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A thunderstorm morning from the west began at 1:50 p.m. and ended at 3:00 p.m. The storm was accompanied by a moderate fall of rain.

Prepared by _____

Verified by _____

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) JUN 12 1921, 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	68	66	65	63	63	64	68	71	73	77	79	81
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Cloudy			→	Pt. Cloudy		
Sunshine (in tenths of hours)					0	0.2	1.0	1.0	1.0	1.0	1.0	1.0
Wind direction	NW	N	N	N	N	NE	E	E	E	SE	SE	S
Wind movement	6	4	4	3	4	6	5	5	6	5	5	5

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	83	83	85	84	84	83	82	78	75	74	72	70
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions									→ Clear			
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	1.0	0.3	.22				
Wind direction	SW	SW	SW	SW	SW	SW	S	S	SW	SW	SW	SW
Wind movement	6	7	6	9	8	8	6	6	7	8	9	7

Sunrise: Time, 4:08 Character, Clear
Moonrise: 11:31 p.

Sunset: Time, 7:13 Character, Clear
Moonset: 11:56 p

Maximum velocities (exceeding 20 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

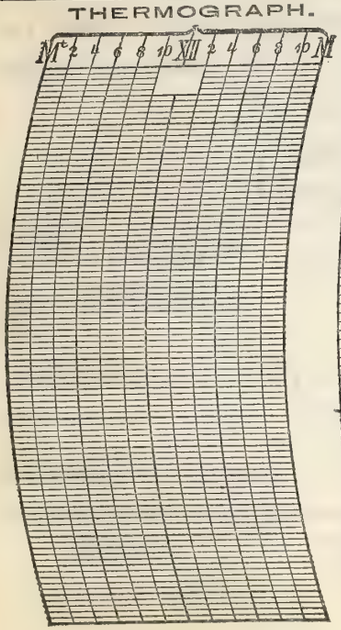
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
85	63	74	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase, F.Q. 11:31 p
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 13.4 Possible sunshine, hours, 14.1
Per cent of possible sunshine, 89
Prevailing wind direction, SW Total wind 144
Average hourly velocity, 6.0 Extreme velocity, 10
Maximum velocity, 10 Direction, SW
Time began, 4:28 p.m.
Reduced barometer, 29.65 7 a. m. 29.[illegible] 7 p. m.
River gage, 2.71 ft.
Relative humidity, [illegible] 7 a. m. [illegible] 7 p. m.

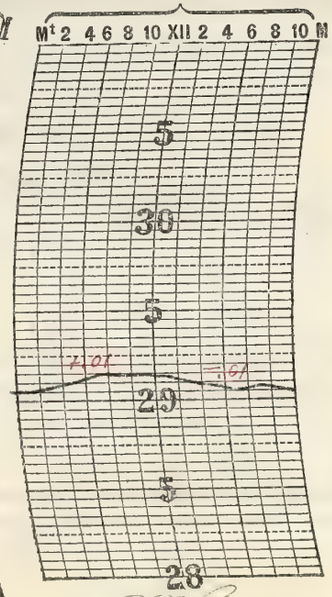
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 81.3 Wet temperature, 65
Dew-point, [illegible] R. humidity, [illegible] V. pressure,
Clouds: Amount, 4; Kind, Cu St; Direction, NW
Velocity of clouds (miles per hour)

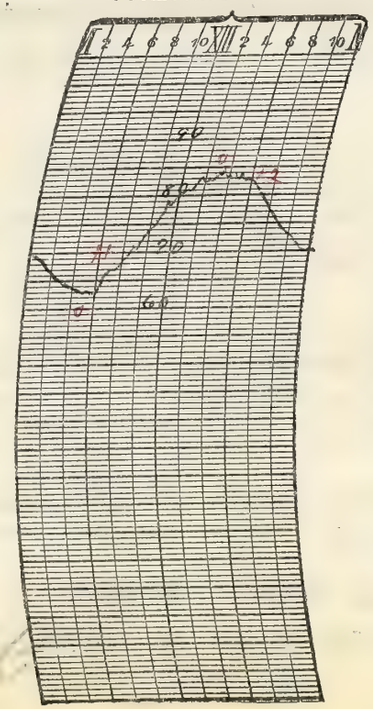
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A solar halo of 22° diameter at 1:15 p.m., and due to sun appeared at 1:55. A partly cloudy and warm day with an abundance of sunshine.

Prepared by [illegible]

Verified by [illegible]

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) Monday, (Date) [illegible], 192

Time (local standard). 90° mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	69	69	70	70	70	73	77	81	83	85	87	88
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						←	Clear				×	Pt.
Sunshine (in tenths of hours)					.87 0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Wind direction	SW	SW	SW	W	W	SW	W	W	NW	NW	W	NW
Wind movement	10	12	16	10	10	9	10	12	11	10	8	9

Sunrise: Time, 4:08 Character, Clear. Moonrise: 12:32 p.m.

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	90	90	90	89	87	84	80	75	72	69	68	65
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Cloudy			×		Clear			×	Pt. Cloudy		
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	1.0	0.5 0.5	.73 0				
Wind direction	NW	NW	NW	NW	NW	NW	NW	NW	N	N	NW	N
Wind movement	12	12	12	11	11	11	11	9	8	6	5	6

Sunset: Time, 7:14 Character, Clear. Moonset: —

Maximum velocities (exceeding 20 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

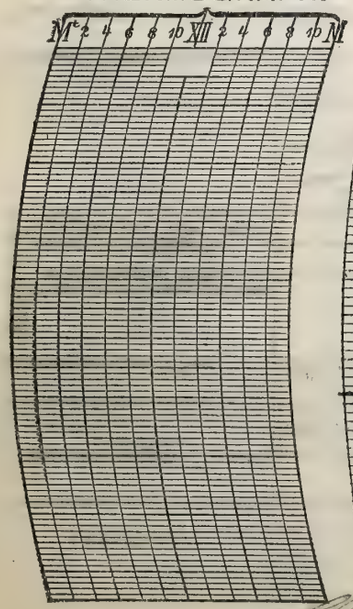
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
90	65	78	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 15.6 Possible sunshine, hours, 15.7
Per cent of possible sunshine, 100
Prevailing wind direction, NW Total wind 2244
Average hourly velocity, 10.2 Extreme velocity, 12
Maximum velocity, 18 Direction, S
Time began, 2:24 a.m.
Reduced barometer, 29.91 7 a. m. 29.92 7 p. m.
River gage, 2.6 Feet
Relative humidity, 67 7 a. m. 47 7 p. m.

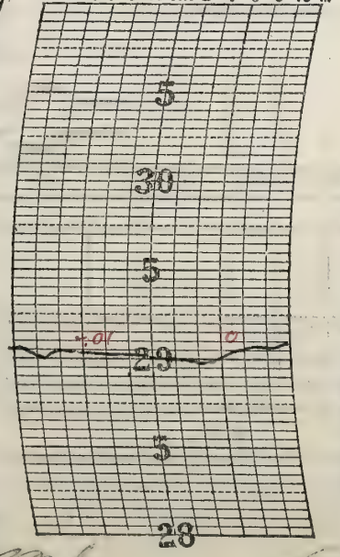
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 87.8 Wet temperature, 76.7
Dew-point, 73 R. humidity, 64 V. pressure,
Clouds: Amount, 3; Kind, Cu.; Direction, NE
Velocity of clouds (miles per hour)

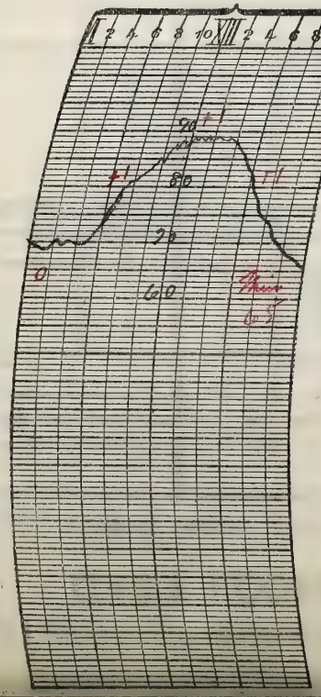
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A clear, hot, and sultry day through toward sunsetime it apparently was not so humid and was more pleasant and tenable

Prepared by [illegible]

Verified by [illegible]

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) Tuesday, (Date) [illegible], 192

Time (local standard). 90° mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	64	63	63	62	62	65	66	70	71	72	74	75
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Pt. Cloudy			Cloudy		
Sunshine (in tenths of hours)					.87 0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Wind direction	N	N	NE	NE	NE	NE	E	E	E	E	E	E
Wind movement	7	7	9	9	10	8	8	9	10	10	12	10
Maximum velocities (exceeding 60 miles) direction and time												

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	76	77	79	78	77	76	75	72	69	68	67	66
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions			Pt. Cloudy				Cloudy			Pt. Cloudy	Clear	Clear
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.6	0.1	0				
Wind direction	E	E	E	E	E	SE	SE	SE	SE	SE	SE	SE
Wind movement	11	8	8	11	9	6	5	4	5	7	5	4
Maximum velocities (exceeding 60 miles) direction and time												

Sunrise: Time, 4:08; Character, Clear. Moonrise: 1:42 p.

Sunset: Time, 7:14; Character, Cloudy. Moonset: 12:00 a.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
79	64	72	X

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0–10), 7
Actual sunshine, hours, 12.6 Possible sunshine, hours, 13.1
Per cent of possible sunshine, 90
Prevailing wind direction, E Total wind 198
Average hourly velocity, 8.0 Extreme velocity, 16
Maximum velocity, 15 Direction, NE
Time began, 10:00 a.m.
Reduced barometer, 30.04 7 a. m. 30.02 7 p. m.
River gage, 2.5 Feet
Relative humidity, 49 7 a. m. 41 7 p. m.

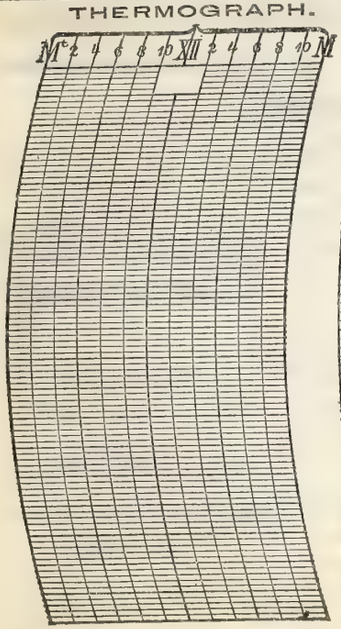
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

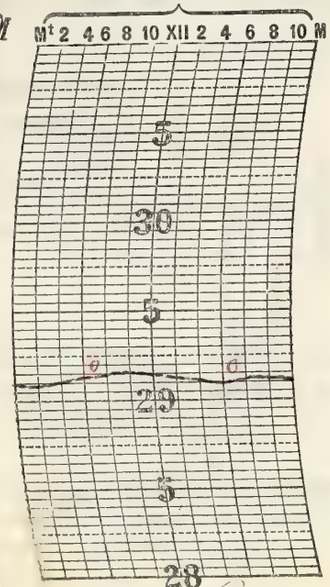
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 74.8 Wet temperature, [illegible]
Dew-point, 50 R. humidity, 44 V. pressure, [illegible]
Clouds: Amount, 9; Kind, Ast.; Direction, [illegible]
Velocity of clouds (miles per hour)

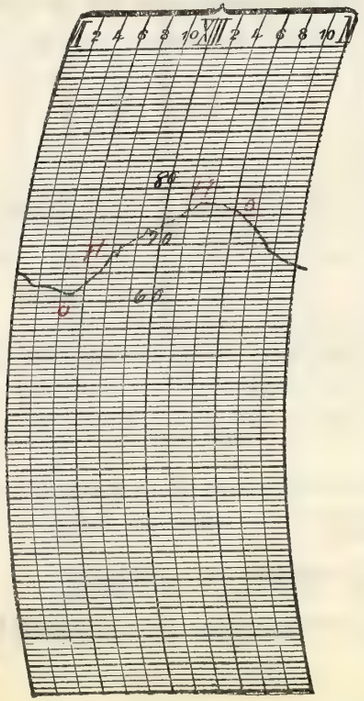
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A pretty cloudy day with moderate temperatures

Prepared by

Verified by

8—182

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) Wednesday, (Date) [illegible], 192

Time (local standard) 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	64	63	61	60	60	60	63	70	72	74	76	80
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Cloudy	×	Pt Cloudy				
Sunshine (in tenths of hours)					0	0	0.4	0.9	1.0	1.0	1.0	1.0
Wind direction	SE	SE	E	E	E	E	SE	SE	SE	SE	SE	E
Wind movement	3	4	6	5	4	5	5	7	6	8	9	10

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	81	80	80	80	79	78	77	74	70	69	67	66
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							×	Clear				→
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.6	1.0	0.2 0.7	1.0 0	.23 0				
Wind direction	E	E	SE	E	E	SE	SE	SE	E	E	E	E
Wind movement	12	10	12	8	8	7	6	4	4	7	7	7

Sunrise: Time, 4:08 Character, Cloudy
Moonrise: 2:46 p.
Sunset: Time, 7:14 Character, Clear
Moonset: 1:03 a

Maximum temperature. 81 | Minimum temperature. 59 | Mean temperature. 70.1 | Normal temperature.

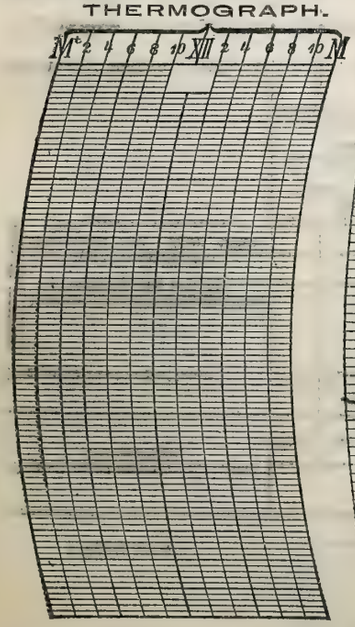
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, ____ inches.
Character of day, Pt Cloudy Moon phase, ____
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 12.0 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 79
Prevailing wind direction, E Total wind 163
Average hourly velocity, 6.8 Extreme velocity, ____
Maximum velocity, 14 Direction, NE
Time began, 12:51 p.m.
Reduced barometer, 30.08 7 a. m. 29.98 7 p. m.
River gage, 2.5 Feet
Relative humidity, 62 7 a. m. 85 7 p. m.

	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

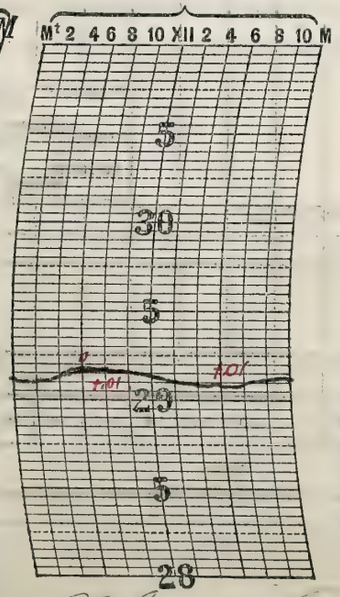
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 78.5 Wet temperature, 62.5
Dew-point, 52 R. humidity, 40 V. pressure, .387
Clouds: Amount, 4; Kind, ACu; Direction, W
Velocity of clouds (miles per hour) ____

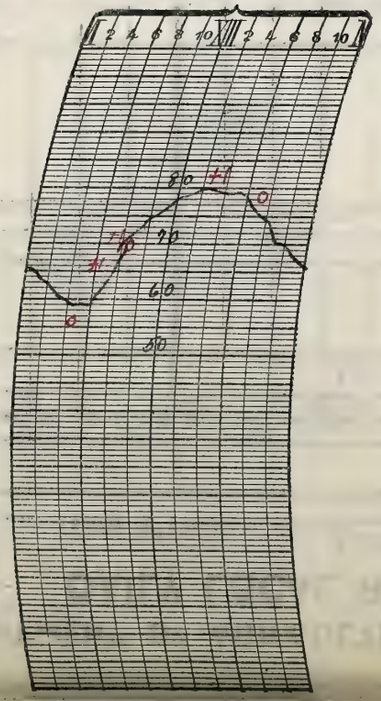
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A healthy cloudy day with moderate temperature and light easterly winds and altogether it was a healthy pleasant and comfortable.

Prepared by [illegible]
Verified by [illegible]

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) City of Ft. Wayne, 192

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	65	64	63	62	61	65	68	74	73	74	81	84
State of weather. Nature of precipitation and time of beginning and ending									RB 8:55	RF 9:03		
Amounts of precipitation									T	T		
Cloudiness and other conditions						← Cloudy					× Pt. Cldy	
Sunrise: Time, Character, 4:08 Cloudy												
Moonrise: 5:47p												
Sunshine (in tenths of hours)					0	0	0	0.5	0.4	0	1.0	1.0
Wind direction	E	E	E	E	E	E	SE	SE	S	SE	S	S
Wind movement	8	5	5	4	5	4	4	6	7	6	8	9
Maximum velocities (exceeding 50 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	85	86	86	86	83	82	81	77	76	76	72	73
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions			← Clear						→			
Sunset: Time, Character, 7:15 Clear												
Moonset: 1:38a												
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	1.0	0.9 .25	0				
Wind direction	S	S	SE	SE	SE	SE	SE	SE	SE	SE	S	S
Wind movement	7	7	7	7	5	6	4	4	3	5	6	7
Maximum velocities (exceeding 50 miles) direction and time												

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
86	61	74	

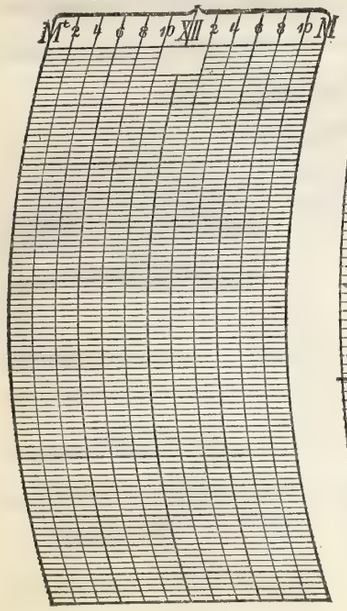
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 10.2 Possible sunshine, hours, 14.7
Per cent of possible sunshine, 68
Prevailing wind direction, SE Total wind 133
Average hourly velocity, 5.8 Extreme velocity, 12
Maximum velocity, 22 Direction, S
Time began, 10:46 a.m.
Reduced barometer, 30.05 7 a. m. 29.94 7 p. m.
River gage, 2.4 Fall
Relative humidity, 68 7 a. m. 44 7 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

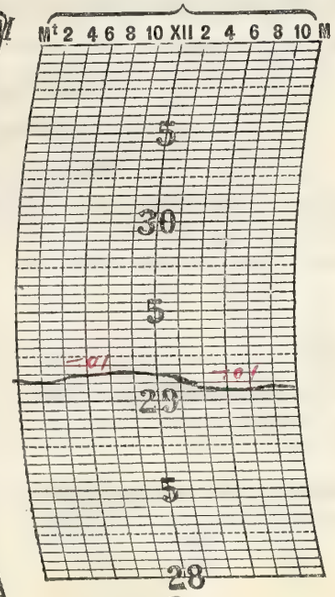
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 82.2 Wet temperature, 63.0
Dew-point, 51 R. humidity, 34 V. pressure, .353
Clouds: Amount, 2; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

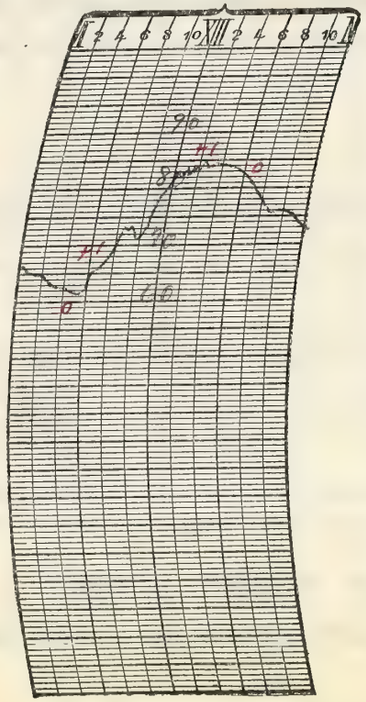
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A healthy Sunday day with moderate temperatures

Prepared by C.A.S.
Verified by P. M. Dunnigan

8—485

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) Nov. 1 1900, 192

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	72	72	70	70	71	74	78	83	85	89	89	90
State of weather: Nature of precipitation and time of beginning and ending												RB 11:00 RE 11:57
Amounts of precipitation												T
Cloudiness and other conditions						←	Clear				× Pt. Cldy	

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	91	88	90	90	89	88	87	85	83	82	80	79
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	× Cloudy		× Pt. Cloudy				Clear			→		

Sunrise: Time, 4:08 Character, Clear
Moonrise: 4:47a.

Sunset: Time, 7:45 Character, Cloudy
Moonset: 2:18a.

	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)					.87 0	0.5 0.5	1.0	1.0	1.0	1.0	1.0	1.0
Wind direction	S	S	SW	SW	SW	SW	W	W	W	W	W	W
Wind movement	6	6	8	7	7	8	9	11	11	15	12	13
Maximum velocities (exceeding 20 miles) direction and time												

	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.5	0.1	0				
Wind direction	W	NW	W	W	NW	W	W	W	W	W	W	W
Wind movement	13	15	15	11	10	9	6	5	3	5	6	5
Maximum velocities (exceeding 20 miles) direction and time												

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

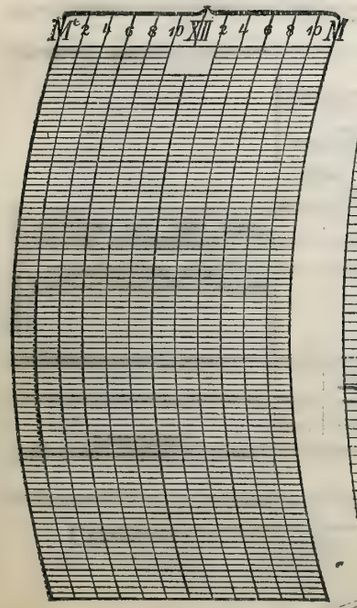
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
91	70	80	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt. Cloudy. Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 13.5 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 89
Prevailing wind direction, W Total wind 216
Average hourly velocity, 9.0 Extreme velocity, 22
Maximum velocity, 20 Direction, NW
Time began, 1:36 p.m.
Reduced barometer, 29.92 7 a. m. 29.90 7 p. m.
River gage, 2.4 Feet.
Relative humidity, 75 7 a. m. 53 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 89.6 Wet temperature, 74.0
Dew-point, 67 R. humidity, 48 V. pressure, 6.6.1
Clouds: Amount, 4; Kind, Cu.; Direction, NW.
Velocity of clouds (miles per hour)

THERMOGRAPH.



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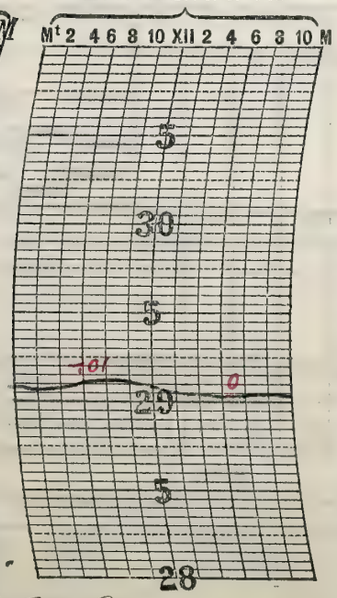
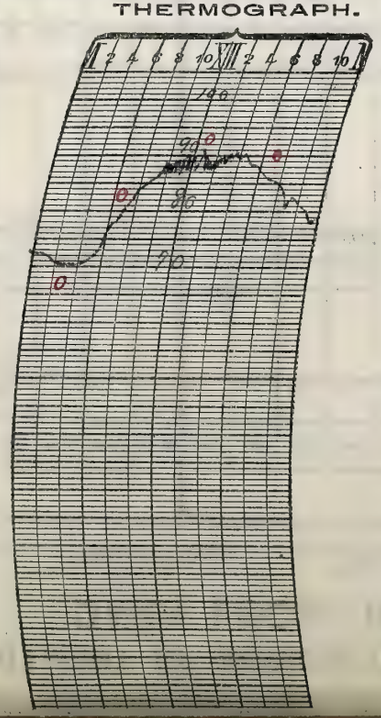


THERMOGRAPH.



NOTES.

A pretty cloudy and hot muggy day; the maximum temperature being the highest recorded to date this year.

Prepared by E. C. S.
Verified by J. M. Konvalinka

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible] Ind., (Day of week) Saturday, (Date) [illegible], 192

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	77	76	75	74	74	76	79	78	86	88	90	88
State of weather. Nature of precipitation and time of beginning and ending												H 13 11:37 RE 11:48
Amounts of precipitation												T
Cloudiness and other conditions						← Clear						→ Partly
Sunshine (in tenths of hours)					.80 0	0.5 0.4	1.0	1.0	1.0	1.0	1.0	0.7
Wind direction	W	W	W	W	W	W	SW	W	SW	SW	SW	SW
Wind movement	4	6	5	6	3	3	4	7	12	10	11	12

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	67	75	76	76	76	74	74	72	72	71	71	69
State of weather. Nature of precipitation and time of beginning and ending	RB 12:50	RE 1:05 RH-5 1:05 RHRE 1:15 1:29 1:35	RE 2:10			RB 5:00 RE 5:50						
Amounts of precipitation	T	1.00	T			1.05						
Cloudiness and other conditions			Cloudy →									
Sunshine (in tenths of hours)	1.0	0	0	0	0	0	0	0				
Wind direction	SW	SW	NW	E	S	SW	SE	S	E	SE	E	NE
Wind movement	17	15	7	2	6	6	3	5	3	3	4	6

Sunrise: Time, 4:08 Character, Clear

Moonrise: 5:43p

Sunset: Time, 7:15 Character, Cloudy

Moonset: 3:00a

Maximum velocities (exceeding 29 miles) direction and time: [illegible]

	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts	12:55p	2:10p	1.00	1:02p	1:24p	.01	.26	.68	.85	.93	.95									

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

	Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
	90	67	78	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m. 1.05 ins.

Total precipitation, midnight to midnight, 1.05 inches.

Character of day, Pt. Cloudy Moon phase, [illegible]

Average daily cloudiness (0-10), 7

Actual sunshine, hours, 8.5 Possible sunshine, hours, 15.1

Per cent of possible sunshine, 56

Prevailing wind direction, SW Total wind 160

Average hourly velocity, 6.7 Extreme velocity, 50

Maximum velocity, 44 Direction, SW

Time began, 1:01 p.m.

Reduced barometer, 29.90 7 a. m. 29.23 7, p. m.

River gage, 2.3 Feet.

Relative humidity, 71 7 a. m. 91 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

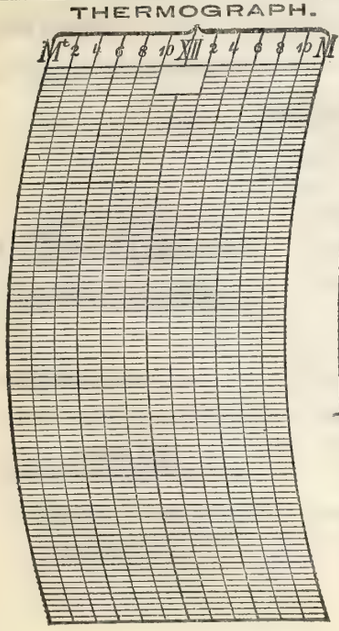
Dry temperature, 88.1 Wet temperature, 74.2

Dew-point, 68 R. humidity, 52 V. pressure, .684

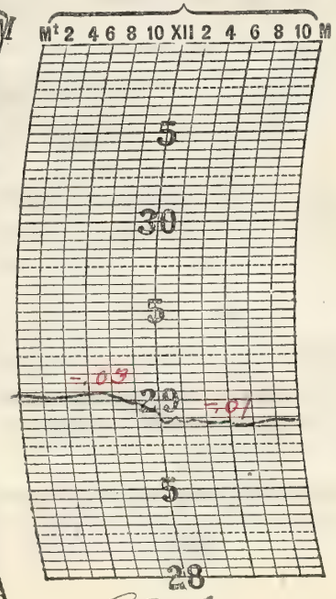
Clouds: Amount, 8; Kind, Cu.; Direction, W.

Velocity of clouds (miles per hour)

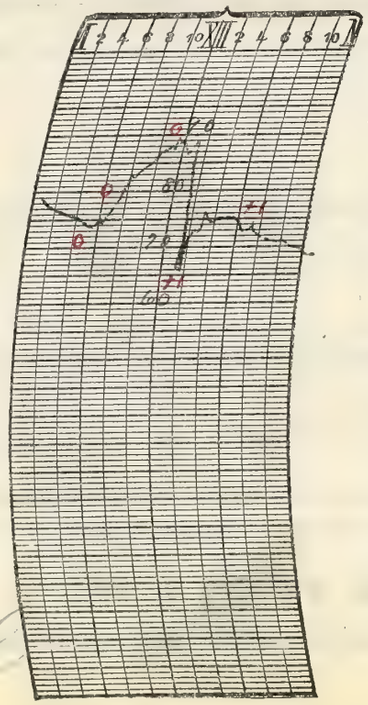
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A thunderstorm which moved from the west began at 11:45 am. It ended at 1:10 p.m. but began again at 4:55 pm and ended at 5:50 p.m. The early part of the storm or during the period between and and 2 p.m. was rather severe and some minor damage was experienced in this locality.

A pretty cloudy day, rather pleasant in the morning but threatening and stormy during the afternoon.

Prepared by [illegible]

Verified by [illegible]

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Monroe, Va., (Day of week) Sunday, (Date) [illegible], 192

Time (local standard). 90 mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	69	69	69	69	68	68	71	73	75	78	79	81
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Clear						
Sunshine (in tenths of hours)					.87 0	0.4 0.6	1.0	1.0	1.0	1.0	1.0	1.0
Wind direction	NE	NE	E	E	NE	E	NE	NE	E	E	E	NE
Wind movement	6	8	7	7	7	8	6	5	7	8	7	7

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	82	83	84	82	80	78	77	72	70	68	66	64
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							× Partly Cloudy ×		Clear →			
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	0.9	0.2 0.4	1.0 0	.27 0				
Wind direction	E	E	E	E	NE	E	E	E	E	E	NE	NE
Wind movement	7	8	9	11	13	13	12	12	12	10	9	7

Sunrise: Time, 4:08 Character, Clear
Moonrise: 6:34 p.
Sunset: Time, 7:16 Character, Clear
Moonset: 9:45 a

Maximum velocities (exceeding 20 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

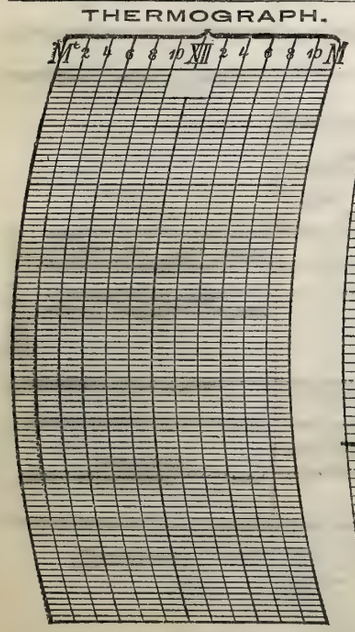
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
84	64	74	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0–10), 2
Actual sunshine, hours, 14.6 Possible sunshine, hours, 15.1
Per cent of possible sunshine, 97
Prevailing wind direction, E Total wind 206
Average hourly velocity, 8.6 Extreme velocity, 18
Maximum velocity, 17 Direction, NE
Time began, 4:16 p. m.
Reduced barometer, 29.83 7 a. m. 29.84 7 p. m.
River gage, 2.4 Feet
Relative humidity, 82 7 a. m. 67 7 p. m.

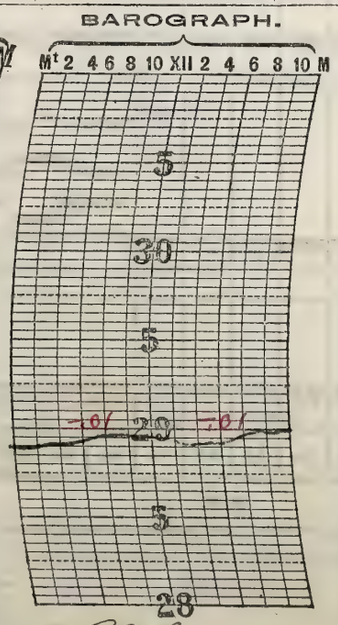
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 79.1 Wet temperature, 71.0
Dew-point, 67 R. humidity, 68 V. pressure, 29.6
Clouds: Amount, Few; Kind, Cu; Direction, NE
Velocity of clouds (miles per hour)

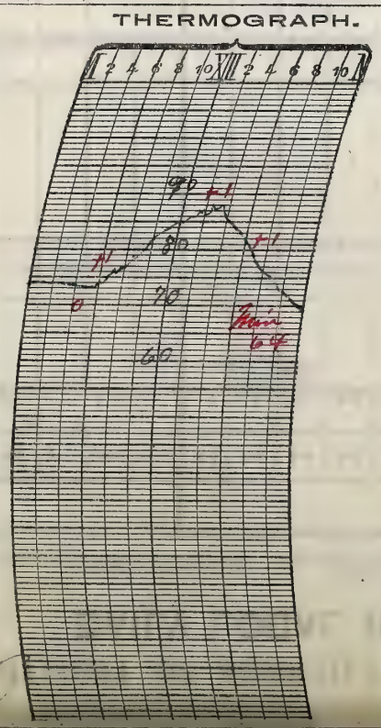
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A clear and rather warm day, the sun being very hot.

Prepared by [illegible]
Verified by [illegible]

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) [illegible], (Date) [illegible], 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	64	63	62	61	62	66	67	74	79	81	84	85
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						←	Clear				→	Pt Cloudy
Sunshine (in tenths of hours)					.85 0	0.6 0.4	1.0	1.0	1.0	1.0	1.0	1.0
Wind direction	E	NE	NE	E	E	E	E	E	SE	SE	SE	SE
Wind movement	2	5	2	2	6	7	6	5	4	3	4	6

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	86	88	89	87	86	85	84	81	79	79	78	75
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	1.0	0.6 0	0				
Wind direction	SE	S	SE	SE	SE	SE	SE	SE	SE	S	S	S
Wind movement	6	8	7	7	7	6	5	4	2	2	8	0

Sunrise: Time, 4:09 Character, Clear

Moonrise: 7:21 p.

Sunset: Time, 7:16 Character, Cloudy

Moonset: 4:34 a

Maximum velocities (exceeding 29 miles) direction and time.

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
89	61	[illegible]	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase, Full

Average daily cloudiness (0-10), 3

Actual sunshine, hours, 14.4 Possible sunshine, hours, 15.1

Per cent of possible sunshine, 95

Prevailing wind direction, SE Total wind 148

Average hourly velocity, 6.8 Extreme velocity,

Maximum velocity, Direction,

Time began,

Reduced barometer, 29.91 7 a. m. 29.85 7 p. m.

River gage, 3.8 Feet

Relative humidity, 75 7 a. m. [illegible] 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

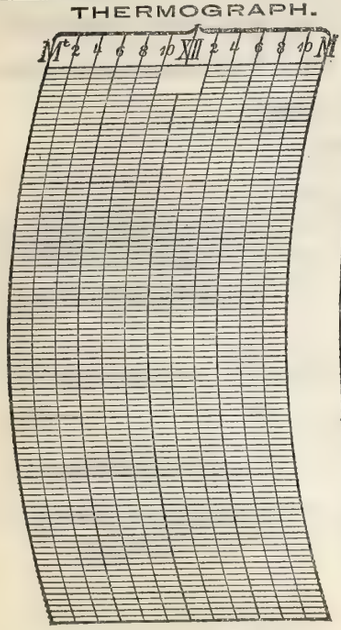
Dry temperature, 84.8 Wet temperature, 72.8

Dew-point, 68 R. humidity, 56 V. pressure, .684

Clouds: Amount, 4; Kind, Cu; Direction, NE

Velocity of clouds (miles per hour)

THERMOGRAPH.



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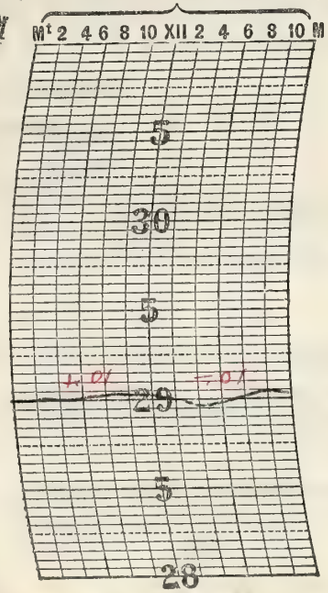
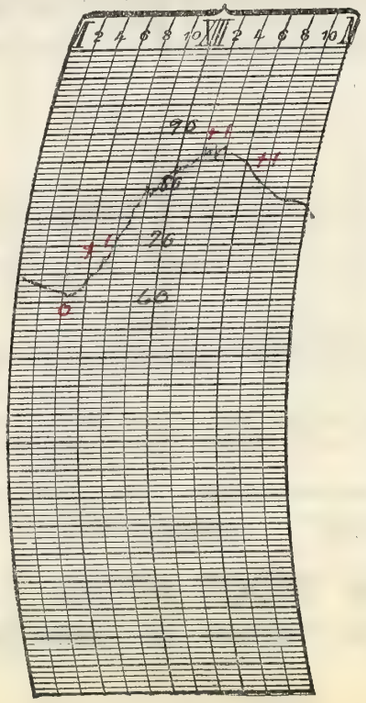


THERMOGRAPH.



NOTES.

A clear and very warm day

Prepared by [illegible]

Verified by [illegible]

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) Tuesday, (Date) [illegible], 192

Time (local standard). mer. normal time.	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	73	72	71	71	72	74		82	85	88	90	78
State of weather: Nature of precipitation and time of beginning and ending												RB 11:55
Amounts of precipitation												T
Cloudiness and other conditions	← Clear →									Pt. Cloudy →		
Sunrise: Time, 4:09 Character, Clear												
Moonrise: 8:03 P												
Sunshine (in tenths of hours)					.85 0	0.3 0.7	1.0	1.0	1.0	1.0	1.0	0.1
Wind direction	S	S	S	S	S	S	S	SW	SW	SW	SW	S
Wind movement	7	6	7	9	8	7	6	8	9	10	8	13
Maximum velocities (exceeding 29 miles) direction and time												

Time (local standard). mer. normal time.	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	81	77	75	77	77	77		75	72	71	70	71
State of weather: Nature of precipitation and time of beginning and ending	RE 12:05	RB 1:00 RE	RB 2:17	3:10		RB 5:20			8:01			
Amounts of precipitation	T	T	.01	T		T			.05	T		
Cloudiness and other conditions	← Cloudy →											
Sunset: Time, 7:16 Character, Cloudy												
Moonset: 5:27 a												
Sunshine (in tenths of hours)	0.9	0.6	0	0	0	0	0	0				
Wind direction	S	S	SW	S	S	S		SW	SW	SW	SW	
Wind movement	9	11	5	6	5	5	3	7	10	8	3	0
Maximum velocities (exceeding 29 miles) direction and time												

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
90	70	80	

Total depth of snow for 24 hours ending 7 p. m., [illegible] inches.

Snow, sleet, and hail on ground 7 p. m., [illegible] inches.

Total snowfall, midnight to midnight, [illegible] inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., .06 ins.

Total precipitation, midnight to midnight, [illegible] inches.

Character of day, Pt. Cl. Moon phase, [illegible]

Average daily cloudiness (0-10), [illegible]

Actual sunshine, hours, 9.0 Possible sunshine, hours, 15.1

Per cent of possible sunshine, 60

Prevailing wind direction, S Total wind [illegible]

Average hourly velocity, [illegible] Extreme velocity, [illegible]

Maximum velocity, 13 Direction, [illegible]

Time began, 11:[illegible]

Reduced barometer, 29.96 a. m. 29.9[illegible] p. m.

River gage, 3.3 Feet

Relative humidity, 77 7 a. m. 81 7 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

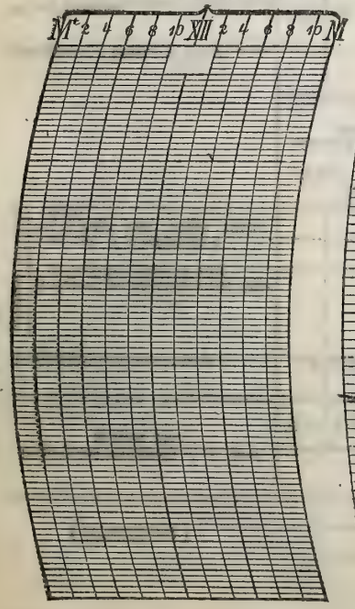
Dry temperature, 80.6 Wet temperature, 71.0

Dew-point, 66.6 R. humidity, 62 V. pressure, .638

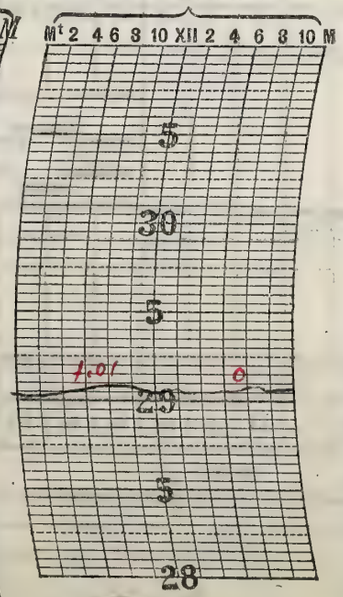
Clouds: Amount, 9; Kind, St Cu; Direction, W

Velocity of clouds (miles per hour) [illegible]

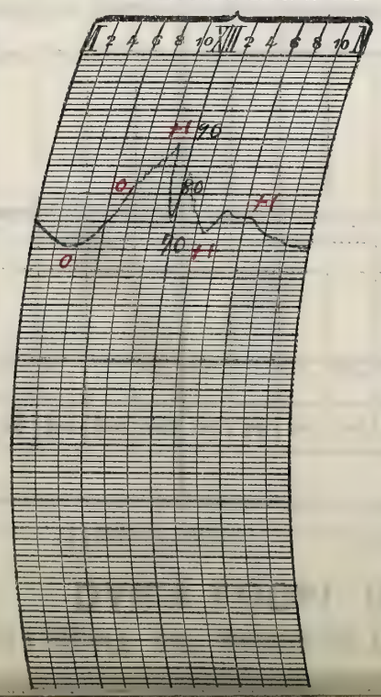
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Summer solstice, summer commences 5:36 p. m.

A partly cloudy and very warm and muggy day.

A thunder storm passing from the west began at 1:[illegible] and ended at 2:00 p. m. The electrical phenomena were very light and the storm was in the vicinity with light showers accompanying.

Prepared by [illegible]

Verified by C. M. Donough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) JUN 24 1931, 192

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	70	69	68	68	68	70		77	79	83	86	86
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						Pt. Cloudy x Clear						x Clear
Sunshine (in tenths of hours)					0		1.0	1.0	1.0	1.0	1.0	1.0
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	6	6	6	8	10	3	4	6	6	6	6	3
Maximum velocities (exceeding ___ miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	88	84	78	77	74	74	73	73	72	72	71	71
State of weather: Nature of precipitation and time of beginning and ending			RB 2:11 RE 2:41	RD 3:13 RE 3:22	RB 4:30	RE 5:50			RB 8:02 RE 8:05			
Amounts of precipitation			.01	.06	.24	.03			T			
Cloudiness and other conditions					Cloudy							
Sunshine (in tenths of hours)	1.0	1.0	0	0.2	0	0	0	0				
Wind direction	S	S	S	S	S	S	S	SW	SE	SW	SW	SW
Wind movement	9	9	15	10	11	10	13	5	3	6	7	5
Maximum velocities (exceeding ___ miles) direction and time												

Sunrise: Time, 4:09 Character, Cloudy
Moonrise: 8:41 p
Sunset: Time, 7:46 Character, Cloudy
Moonset: 6:20 a

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

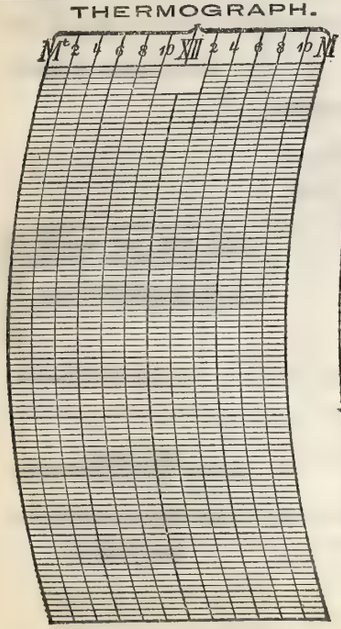
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
88	68	78.1	

Total depth of snow for 24 hours ending 7 p. m., ___ inches.
Snow, sleet, and hail on ground 7 p. m., ___ inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .05 ins.; to 7 p. m., .34 ins.
Total precipitation, midnight to midnight, ___ inches.
Character of day, Pt. Cloudy Moon phase, ___
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 8.3 Possible sunshine, hours, 15.2
Per cent of possible sunshine, 55
Prevailing wind direction, SW Total wind 162
Average hourly velocity, 7.0 Extreme velocity, ___
Maximum velocity, 50 Direction, ___
Time began, 2:56 p
Reduced barometer, 29.99 7 a. m. 29.94 7 p. m.
River gage, 2.95 a.m.
Relative humidity, 87 7 a. m. ___ 7 p. m.

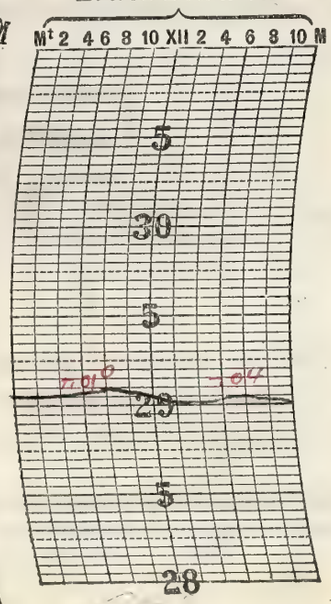
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 85.8 Wet temperature, 74.6
Dew-point, 70 R. humidity, 64 V. pressure, .555
Clouds: Amount, 3; Kind, Cu.; Direction, NW
Velocity of clouds (miles per hour)

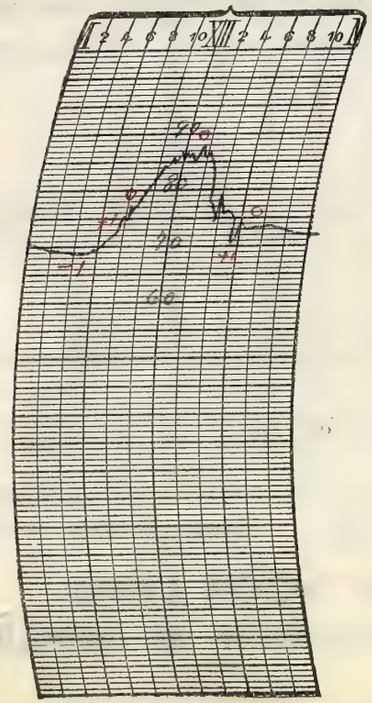
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A thunderstorm moving from the west began at 2:56 p.m. and ended at 3:22 p.m. P.M. were of light intensity.
A partly cloudy and muggy, though not moderately warm day.

Prepared by ___
Verified by P. McGinnis

8—186

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) ....., (*Day of week*) ....., (*Date*) ....., 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	70	70	70	70	71	71		75	78	82	84	86	88	88	88	84	83	82	81	79	79	78	75	74
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						←			Cloudy						Cloudy					→	Pl. Sldy	Sldy	Cloudy	→
Sunshine (in tenths of hours)					6	3	0	0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0	0	0				
Wind direction	SW	SW	SW	SW	SW	W	W	W	SW	SW	SW	SW	W	W	W	NW	NW	NW	NW	N	N	N	N	0
Wind movement	6	9	6	2	5	5	4	[illegible]	3	[illegible]	[illegible]	8	16	16	10	[illegible]	9	5	5	5	3	3	1	0
Maximum velocities (exceeding [illegible] miles) direction and time																								

Sunrise: Time, 4:09 Character, Cloudy
Moonrise: [illegible]
Sunset: Time, 7:10 Character, Cloudy
Moonset: [illegible]

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

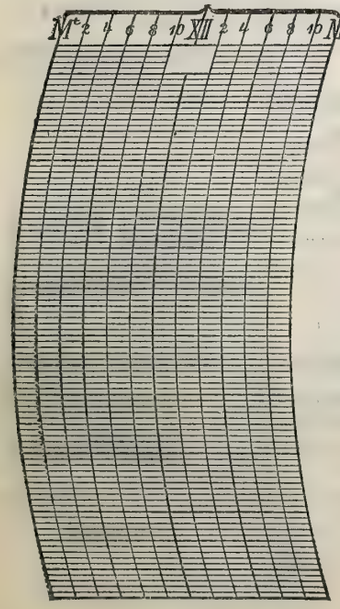
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
89	70	80.1	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase, ...
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 9.2 Possible sunshine, hours, [illegible]
Per cent of possible sunshine, 61
Prevailing wind direction, [illegible] Total wind .....
Average hourly velocity, [illegible] Extreme velocity, ...
Maximum velocity, 15 Direction, [illegible]
Time began, 9:26 [illegible]
Reduced barometer, 29.95 7 a. m. 29.90 [illegible], p. m.
River gage, 3.5 [illegible]
Relative humidity, [illegible] a. m. [illegible] p. m.

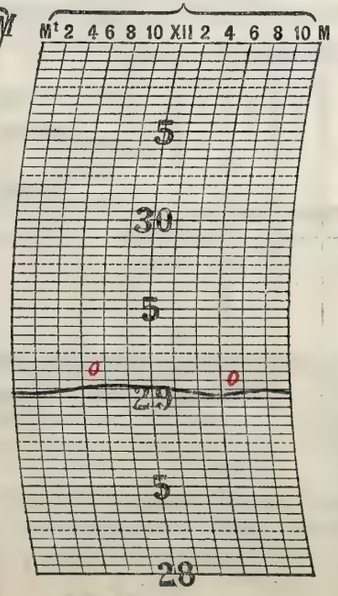
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 85.5 Wet temperature, 68.8
Dew-point, 60 R. humidity, 43 V. pressure, .512
Clouds: Amount, 9; Kind, [illegible]; Direction, [illegible]
Velocity of clouds (miles per hour) .....

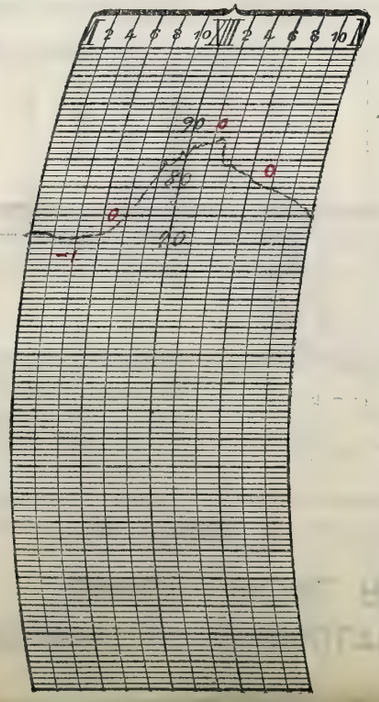
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A solar halo of 22° was observed from 11:17 a.m., until 11:42 p.m.

Prepared by .....
Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) JUN 24 1921, 192

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	73	72	70	70	72	75	75	80	83	83	83	83
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Partly Cloudy — Cloudy						
Sunshine (in tenths of hours)					0	0	0.5	1.0	1.0	1.0	1.0	1.0
Wind direction	N	N	N	0	NW	0	NW	NE	E	S	E	E
Wind movement	1	2	2	0	1	0	2	4	3	3	5	5

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	85	84	84	83	84	83	81	79	78	76	74	72
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												
Sunshine (in tenths of hours)	1.0	0.9	0.6	0	0.9	0.2	0	0				
Wind direction	E	E	E	E	E	SE	SE	E	E	SE	E	E
Wind movement	6	5	4	5	6	4	4	3	3	2	2	3

Sunrise: Time, 4:10 a. Character, Cloudy

Moonrise: 2:47 p.

Sunset: Time, 7:17 p. Character, Cloudy

Moonset: 8:12 a.

Maximum velocities (exceeding 20 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
85	70	78	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10), 8

Actual sunshine, hours, 9.1 Possible sunshine, hours, 15.1

Per cent of possible sunshine, 60

Prevailing wind direction, E Total wind

Average hourly velocity, 3.4 Extreme velocity,

Maximum velocity, 7 Direction,

Time began, 11:05 a.m.

Reduced barometer, 29.96 7 a. m. 29.90 7 p. m.

River gage, 4.6 Fall

Relative humidity, 64 7 a. m. 5 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

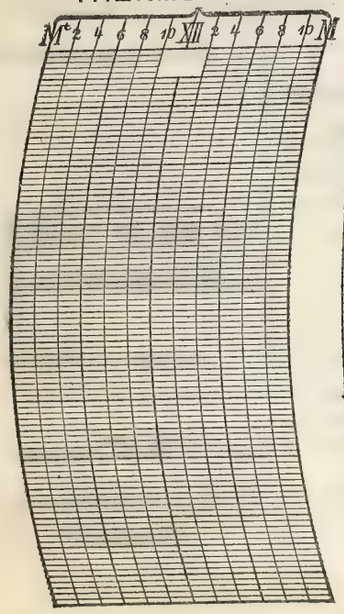
Dry temperature, 84.0 Wet temperature, 68.6

Dew-point, 60 R. humidity, 44 V. pressure, .512

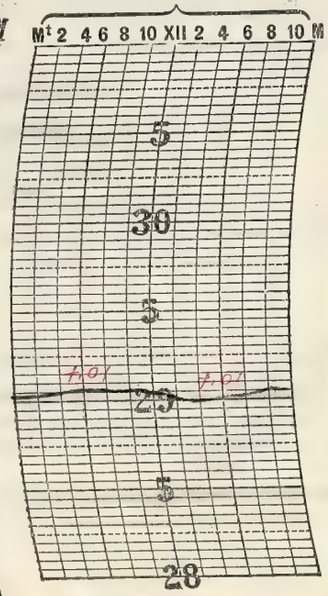
Clouds: Amount, 8; Kind, Ast; Direction, NW

Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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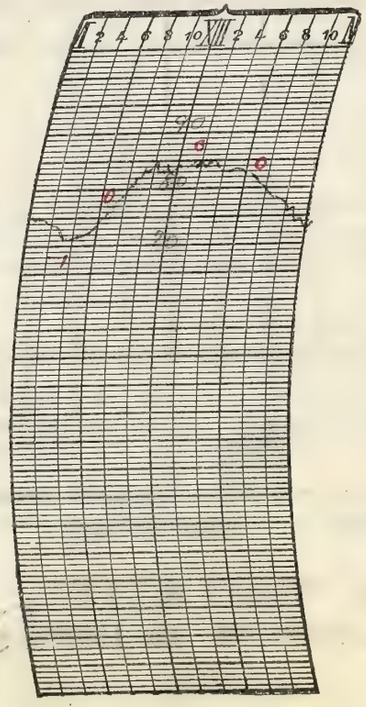


NOTES.

A cloudy day with a westerly breeze and southerly and easterly at sunset.

Prepared by

Verified by J. M. Donovan

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) [illegible], 192

Time (local standard). 90 mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	72	72	69	68	69	73	[illegible]	80	82	83	85	87
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Pt. Cloudy					
Sunrise: Time, 4:10 Character, Clouds												
Moonrise: [illegible]												
Sunshine (in tenths of hours)					0	0.6	1.0	1.0	1.0	1.0	1.0	1.0
Wind direction	E	E	S	E	E	E	S	S	S	SE	SE	SE
Wind movement	2	3	3	3	4	2	5	3	4	5	[illegible]	5
Maximum velocities (exceeding ... miles) direction and time												

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	88	86	84	82	68	69	70	70	70	70	70	70
State of weather: Nature of precipitation and time of beginning and ending						RB 5:03	RE 6:10 RB 6:33	RE 8:00				
Amounts of precipitation						1.04	.01	.01				
Cloudiness and other conditions		Pt. Cloudy			Cloudy					?		
Sunset: Time, 7:17 Character, Cloudy												
Moonset: 9:[illegible]												
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.2	0.2	0	0	0				
Wind direction	S	S	SE	SE	NW	S	N	NE	E	E	SE	SE
Wind movement	7	6	9	7	9	11	8	7	5	5	6	3
Maximum velocities (exceeding ... miles) direction and time												

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
88	68	78	

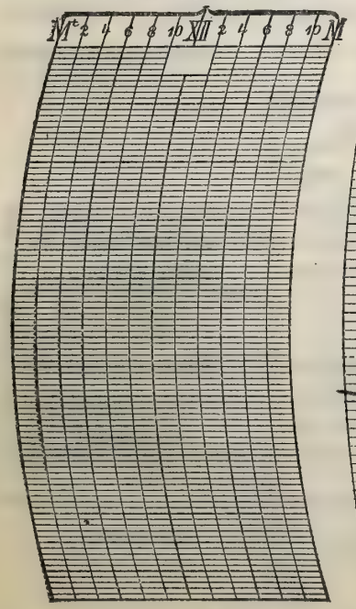
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 1.05 ins.
Total precipitation, midnight to midnight, 1.06 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0–10), 7
Actual sunshine, hours, 10.0 Possible sunshine, hours,
Per cent of possible sunshine, 66
Prevailing wind direction, ESE Total wind 15
Average hourly velocity, 15.4 Extreme velocity, 23
Maximum velocity, 23 Direction, S
Time began, 5:40 p.m.
Reduced barometer, 29.00 7 a. m. 29.00 7 p. m.
River gage, 4.0 [illegible]
Relative humidity, 71 7 a. m. 81 7 p. m.

	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts	5:03p	6:10p	1.04	5:03p	5:33p	0	.39	.62	.77	.85	.94	1.00								

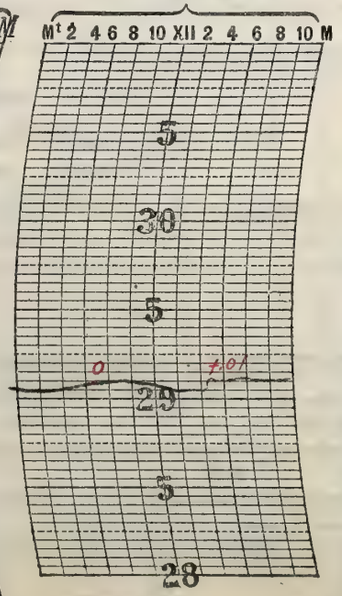
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 86.2 Wet temperature, 74.3
Dew-point, 69.9 R. humidity, 57 V. pressure, .2[illegible]
Clouds: Amount, 6; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

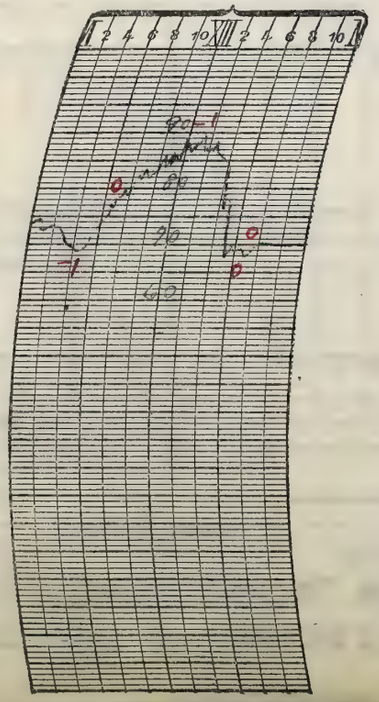
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Thunderstorm: Thunder first heard at 3:40 p.m. The storm moved from the northwest, and continued at short intervals until 4:45 p.m., when another thunderstorm developed in the south and moved to the northward with rain beginning at 5:03 p.m. and ending at 6:10 p.m. but the thunder continued at this place intermittently. In connection with the second storm a bolt of lightning struck the chimney on the residence of J. E. Mason, 3520 St. Anthony Boulevard, ran down the inside and knocked a side off the furnace in the basement. The one wire burned and was disconnected. One hundred and fifty telephones were also put out of order by the storm. [illegible] clouds were very dense [illegible]

Prepared by [illegible]
Verified by [illegible]

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wright, Ky., (Day of week) Sunday, (Date) July 5, 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	69	68	68	67	67	71	74	80	83	85	86	87
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Clear				× Pt. Cloudy		
Sunshine (in tenths of hours)					.83 0	0.2 0.7	1.0	1.0	1.0	1.0	1.0	1.0
Wind direction	SE	NW	NE	NE	NE	NE	NE	SW	SW	W	W	NW
Wind movement	3	2	2	2	1	2	4	5	7	8	8	7

Sunrise: Time, 4:10 Character, Clear

Moonrise: 10:45 P.

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	90	89	89	90	89	88	86	83	80	79	78	77
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Pt. Cloudy ×		Clear			
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	1.0	0.4	0				
Wind direction	SW	SW	S	S	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	6	7	8	9	11	7	5	4	6	6	7	5

Sunset: Time, 7:17 Character, Cloudy

Moonset: 10:05 P.

Maximum velocities (exceeding 29 miles) direction and time

Excessive precipitation, accumulated amounts

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
91	67	79	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .02 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10), 5

Actual sunshine, hours, 14.2 Possible sunshine, hours,

Per cent of possible sunshine,

Prevailing wind direction, SW Total wind

Average hourly velocity, 5.6 Extreme velocity,

Maximum velocity, 13 Direction, S

Time began, 4:27 p.m.

Reduced barometer, 30.06 7 a. m. , p. m.

River gage, 4.0 Feet

Relative humidity, 85 7 a. m. p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

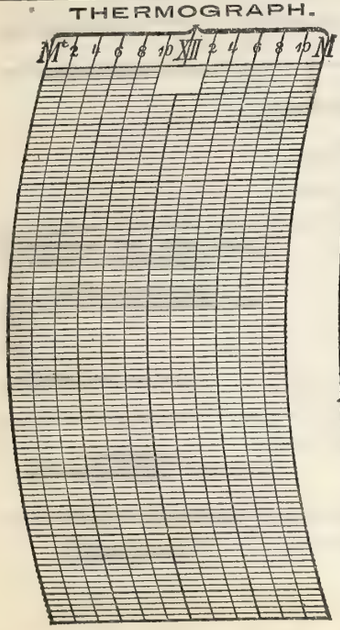
Dry temperature, 87.3 Wet temperature,

Dew-point, 62 R. humidity, V. pressure,

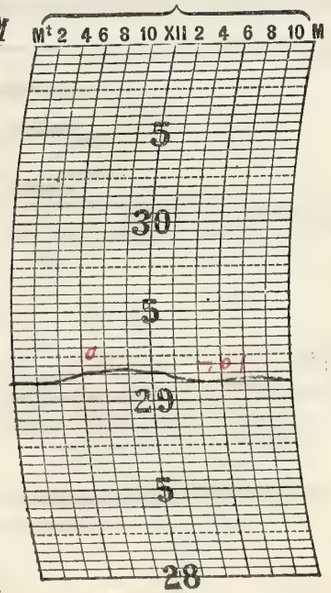
Clouds: Amount, 5; Kind, Cu.; Direction,

Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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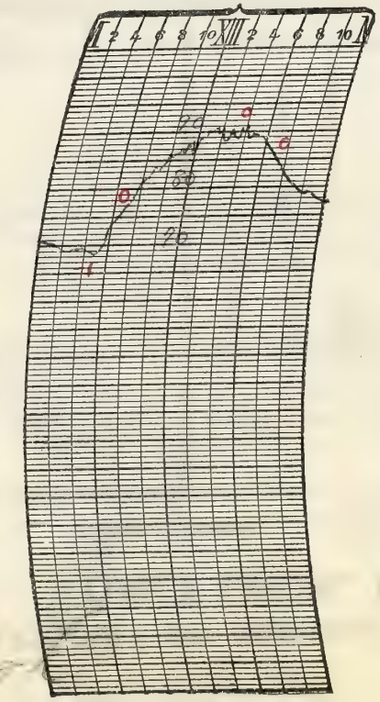


NOTES.

A clear and hot day with light westerly winds

Prepared by

Verified by

S. 186

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) ....., (*Day of week*) Sunday, (*Date*) ....., 192

Time (local standard). ..... mer. normal time.	A. M.												P. M.											
	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	77	75	74	73	74	76	77	82	84	86	87	87	89	87	87	88	86	85	84	71	71	71	72	70
State of weather. Nature of precipitation and time of beginning and ending																RB 3:10 AE 3:24			RB 6:50		RE 8:14			RB DNP.
Amounts of precipitation										T						T			T	.05	T			.22
Cloudiness and other conditions						←		Clear			→				1/4 Cloudy				→	Cloudy		→		

Sunrise: Time, 4:41 Character, Clear

Moonrise: 11:50

Sunset: Time, 7:12 Character, Cloudy

Moonset: 11:03 a

	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Sunshine (in tenths of hours)					.82 0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0.8	0.6	0	0					
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	S	S	SE	SE
Wind movement	5	7	7	8	6	8	9	9	10	13	15	15	18	17	13	13	14	11	14	7	2	2	2	6

Maximum velocities (exceeding ..... miles) direction and time.....

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts.....

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
90	70	80	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, ... inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., .22 ins.

Total precipitation, midnight to midnight, .22 inches.

Character of day, Pt. Cloudy Moon phase, ...

Average daily cloudiness (0–10), 6

Actual sunshine, hours, 12.5 Possible sunshine, hours, 14.1

Per cent of possible sunshine, 81

Prevailing wind direction, SW Total wind 225

Average hourly velocity, 9.7 Extreme velocity, 33

Maximum velocity, 29 Direction, NE

Time began, 6:40 p.m.

Reduced barometer, 29.95 7 a. m. 29.80 7 p. m.

River gage, 3.5 ft

Relative humidity, ... 7 a. m. ..... 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

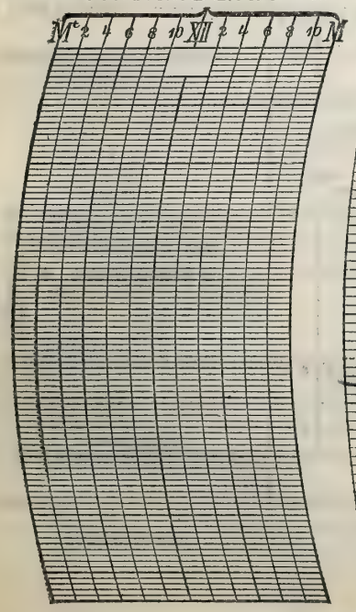
Dry temperature, 86.2 Wet temperature, 71.8

Dew-point, 65 R. humidity, 50 V. pressure, .616

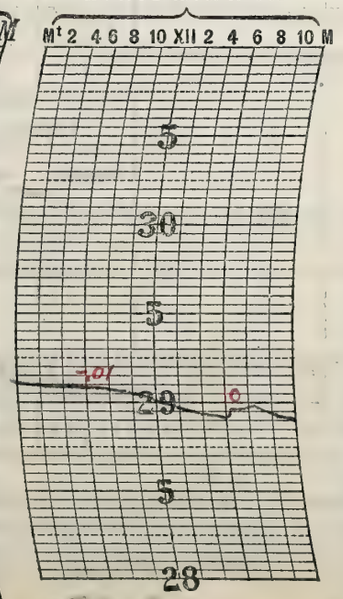
Clouds: Amount, 4; Kind, Cu; Direction, NW

Velocity of clouds (miles per hour).....

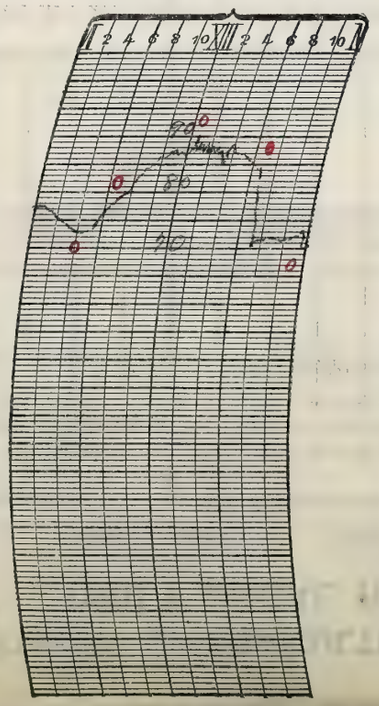
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A thunderstorm moving from the southwest began at 6:07 p.m. and ended at 8:30 p.m. It was accompanied by light rain and also a bright electrical display.

A partly cloudy and warm day.

Prepared by .....

Verified by .....

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) JUN 2[illegible], 192

Time (local standard) ___ mer. normal time.	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	72	71	71	70	71	71	71	73	74	75	78	73
	RE DIN											
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation	T											
Cloudiness and other conditions								Cloudy				
Sunrise: Time, Character,	4:11 Cloudy											
Moonrise:	11:45 P											
Sunshine (in tenths of hours)					0	0	0	0	0.2	0.7	0.9	1.0
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	5	9	7	9	8	9	9	8	9	11	11	13
Maximum velocities (exceeding ___ miles) direction and time												

Time (local standard)	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	73	75	74	72	73	72	73	73	73	72	72	71
	RE 12:06 RE 12:03		RE 2:25		RE 4:00							
Nature of precipitation and time of beginning and ending												
Amounts of precipitation	.06		T	.05	.01							
Cloudiness and other conditions				Cloudy								
Sunset: Time, Character,									7:11 Cloudy			
Moonset:									12:02 P			
Sunshine (in tenths of hours)	0	0.6	0.3	0	0	0	0	0				
Wind direction	SW	SW	W	SW	W	W	W	W	NW	NW	NW	NW
Wind movement	10	11	10	8	6	4	3	4	5	4	4	4
Maximum velocities (exceeding ___ miles) direction and time												

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
78	70	74	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .28 ins.; to 7 p. m., .12 ins.
Total precipitation, midnight to midnight, .[illegible] inches.
Character of day, Cloudy Moon phase, [illegible]
Average daily cloudiness (0-10), [illegible]
Actual sunshine, hours, 3.7 Possible sunshine, hours, [illegible]
Per cent of possible sunshine, [illegible]
Prevailing wind direction, SW Total wind [illegible]
Average hourly velocity, 7.5 Extreme velocity, [illegible]
Maximum velocity, [illegible] Direction, [illegible]
Time began, [illegible]
Reduced barometer, [illegible] a. m. [illegible], p. m.
River gage, [illegible] Rise
Relative humidity, [illegible] a. m. [illegible] p. m.

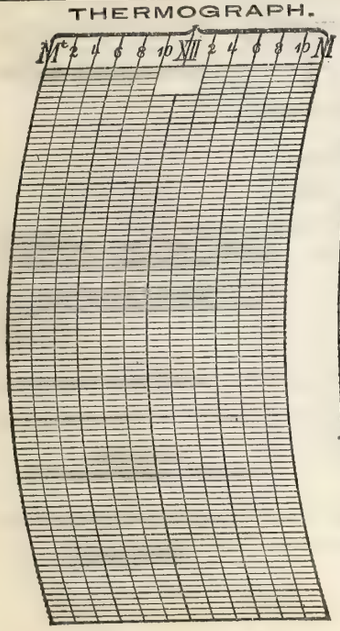
Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

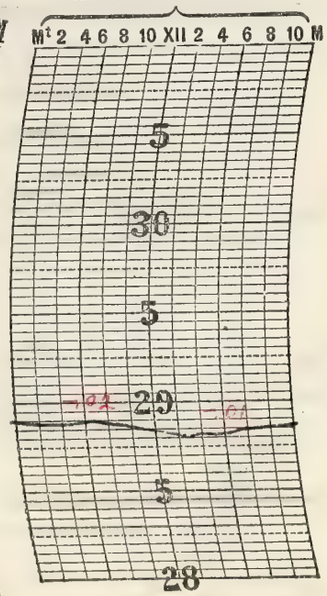
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 77.8 Wet temperature, [illegible]
Dew-point, 74 R. humidity, [illegible] V. pressure, [illegible]
Clouds: Amount, 10; Kind, St.; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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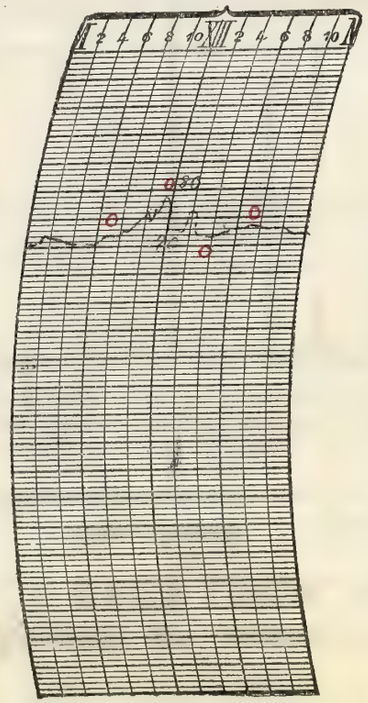


NOTES.

A thunderstorm of light intensity passing from the west began at 11 A.M. and continued until intermittent showers with thunder at 1 P.M. Cloudy skies with showers and moderate windiness

Prepared by [illegible]
Verified by [illegible]

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) ....., (Day of week) Wednesday, (Date) ....., 192

Time (local standard). ..... mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	70	70	68	68	68	70	72	74	82	84	87	88	89	89	89	88	87	85	84	81	79	78	75	74
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						←	Clear				→				Pt. Cloudy						→			
Sunshine (in tenths of hours)						0	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3 / 0.7	.28 / 0				
Wind direction	NW	NW	NW	NW	NW	NW	NW	NW	N	NW	N	N	N	NW	NW	N	N	N	N	N	N	N	NE	N
Wind movement	4	4	2	4	3	4	5	3	4	5	4	5	8	9	10	9	10	8	6	6	6	4	4	3
Maximum velocities (exceeding 99 miles) direction and time																								

Sunrise: Time, 4:11 Character, Cloudy

Moonrise: .....

Sunset: Time, 7:17 Character, Clear

Moonset: .....

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
89	68	78	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt. Cloudy Moon phase, ...

Average daily cloudiness (0-10), 4

Actual sunshine, hours, 14.1 Possible sunshine, hours, 15.1

Per cent of possible sunshine, 93

Prevailing wind direction, N Total wind 141

Average hourly velocity, 5.5 Extreme velocity, 12

Maximum velocity, 12 Direction, NW

Time began, 9:39 p.m.

Reduced barometer, 29.00 7 a. m. ....., p. m.

River gage, 3.2 ft.

Relative humidity, 67 7 a. m. 47 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

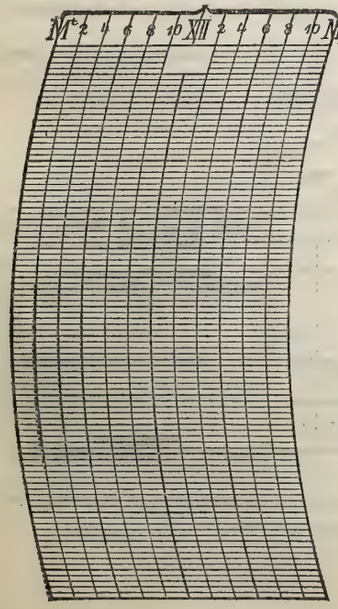
Dry temperature, 84.0 Wet temperature, 72.0

Dew-point, 66 R. humidity, 54 V. pressure, .638

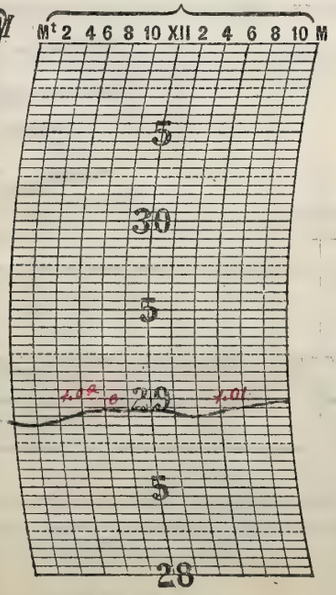
Clouds: Amount, 4; Kind, Cu; Direction, NW

Velocity of clouds (miles per hour) .....

THERMOGRAPH.



BAROGRAPH.



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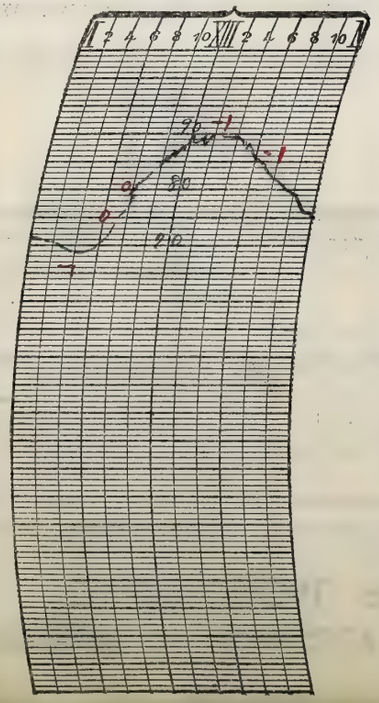


NOTES.

A heavy deposit of dew was observed this morning.

A partly cloudy and rather warm day with light northerly winds.

Prepared by .....

Verified by O. M. Donough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind, (Day of week) Thursday, (Date) June 19 1913, 192

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	73	72	71	70	69	71	75	77	81	83	84	85
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Clear						
Sunshine (in tenths of hours)					.80 0	0.2 0.8	1.0	1.0	1.0	1.0	1.0	1.0
Wind direction	N	NE	NE	NE	NE	NE	NE	E	E	NE	NE	NE
Wind movement	3	5	5	5	6	5	5	7	5	7	7	7
Maximum velocities (exceeding ___ miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	86	86	87	87	86	85	84	81	79	77	76	73
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions				Clear →								
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	1.0	0.4 0.6	.28 0				
Wind direction	E	NE	NE	NE	NE	E	E	E	E	E	E	SE
Wind movement	10	9	6	2	10	8	4	6	4	4	3	3
Maximum velocities (exceeding ___ miles) direction and time												

Sunrise: Time, 4:12 Character, Clear

Moonrise: 12:18a

Sunset: Time, 7:17 Character, Clear

Moonset: 2:03p

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
88	69	78	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., — ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase, ____

Average daily cloudiness (0-10), 2

Actual sunshine, hours, 15.1 Possible sunshine, hours, ____

Per cent of possible sunshine, 100

Prevailing wind direction, NE Total wind 144

Average hourly velocity, 6.0 Extreme velocity, ____

Maximum velocity, 12 Direction, E

Time began, 12:18p

Reduced barometer, 29.79 7 a. m. 29.[illegible], p. m.

River gage, 4.8 feet

Relative humidity, 42 7 a. m. 42 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

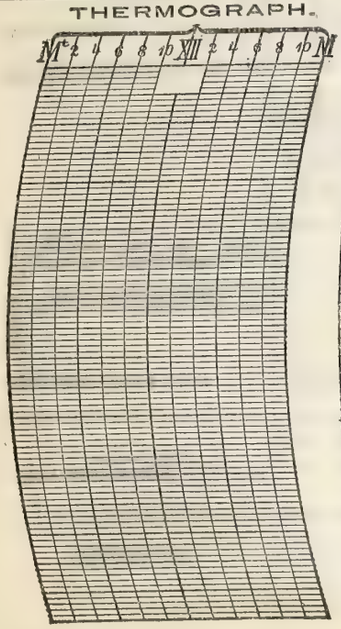
Dry temperature, 84.4 Wet temperature, 70.4

Dew-point, 63 R. humidity, 50 V. pressure, .575

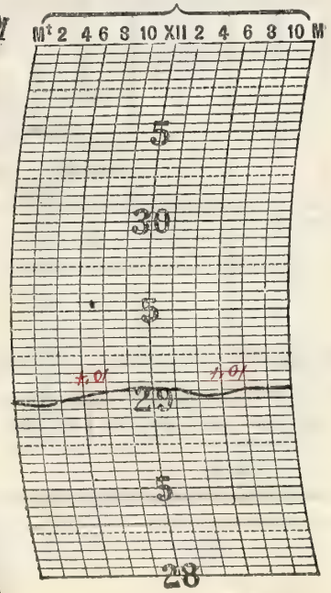
Clouds: Amount, 9; Kind, Cu; Direction, NE

Velocity of clouds (miles per hour) ____

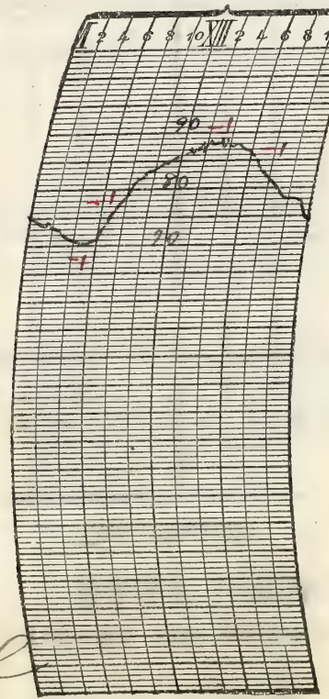
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A clear and fair day.

Prepared by ____

Verified by P. M. Dunning

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) ....., (*Day of week*) ....., (*Date*) ....., 192

Time (local standard). 20° mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	72	71	71	70	69	72	75	80	82	85	87	87	88	86	89	89	89	88	87	83	81	80	79	77
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						←			Clear						Partly Cloudy			Clear				→		
Sunshine (in tenths of hours)					80 0	0.5 0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	1.0	1.0	1.0	1.0	0.4 0.6	.28 0				
Wind direction	O	E	E	E	E	E	E	S	W	NW	N	NE	NE	NE	NE	E	E	NE	E	E	E	E	SE	SE
Wind movement	0	2	2	1	2	1	1	4	3	5	4	5	4	6	3	4	3	5	4	4	5	5	5	7
Maximum velocities (exceeding 20 miles) direction and time																								

Sunrise: Time, 4:14 Character, Clear
Moonrise: 12:55a
Sunset: Time, 7:10 Character, Clear
Moonset: 3:09p

	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

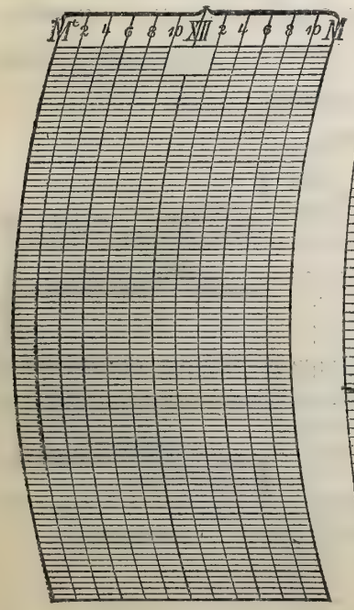
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
90	69	80	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, ...
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 14.8 Possible sunshine, hours, 14.8
Per cent of possible sunshine, 98
Prevailing wind direction, E Total wind 82
Average hourly velocity, 3.4 Extreme velocity, 8
Maximum velocity, 8 Direction, NE
Time began, 1:26 p.m.
Reduced barometer, 29.77 7 a. m. 29.88 7 p. m.
River gage, 2.8 ft.
Relative humidity, 76 7 a. m. 43 7 p. m.

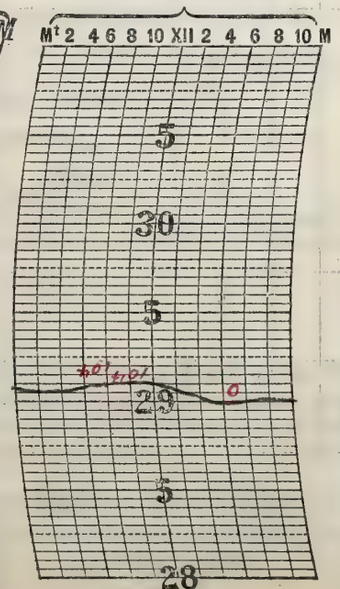
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 88.1 Wet temperature, 73.0
Dew-point, 66 R. humidity, 49 V. pressure, .638
Clouds: Amount, 3; Kind, Cu; Direction, NE
Velocity of clouds (miles per hour) .....

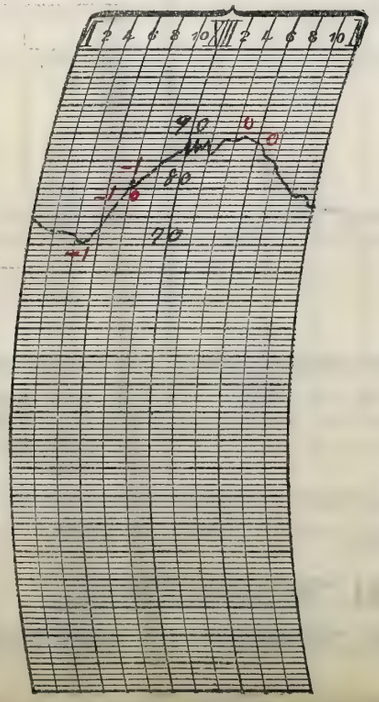
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A clean and hot sultry day with very light easterly winds

Prepared by .....
Verified by P. McDonough

8—436

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Saturday, (Date) 30 2 13, 192

Time (local standard). 90th mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	76	75	75	74	74	76	80	83	88	89	90	93
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						←	Clear			→	Pt. Cloudy	
Sunshine (in tenths of hours)					.78	0.3						
					0	0	1.0	0.5	1.0	1.0	1.0	1.0
Wind direction	SE	SE	SE	SE	S	S	S	S	S	S	S	SE
Wind movement	2	3	2	3	4	4	6	5	4	4	7	7

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	92	92	92	91	90	89	88	86	84	83	79	79
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							→ Pt. Cloudy					
Sunshine (in tenths of hours)							0.8	.28				
	1.0	1.0	1.0	1.0	1.0	1.0	0.2	0				
Wind direction	S	S	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
Wind movement	6	6	6	4	7	6	6	6	5	6	3	3

Sunrise: Time, 4:13 Character, Clear

Moonrise: 1:30

Sunset: Time, 7:12 Character, Clear

Moonset: 4:00

Maximum velocities (exceeding 30 miles) direction and time

Excessive precipitation, accumulated amounts

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
94	73	84	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt. Cloudy Moon phase,

Average daily cloudiness (0–10), 4

Actual sunshine, hours, 14.6 Possible sunshine, hours,

Per cent of possible sunshine, 84

Prevailing wind direction, SE Total wind 11.5

Average hourly velocity, 4.8 Extreme velocity, 9

Maximum velocity, 9 Direction, SW

Time began, 12:30 a.m.

Reduced barometer, 29.[illegible] 7 a. m. 29.[illegible] 7, p. m.

River gage, 3.8 Fall

Relative humidity, [illegible] 7 a. m. p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

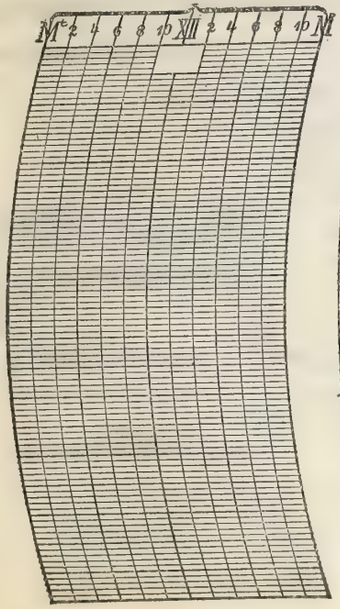
Dry temperature, 89.6 Wet temperature,

Dew-point, 56 R. humidity, V. pressure,

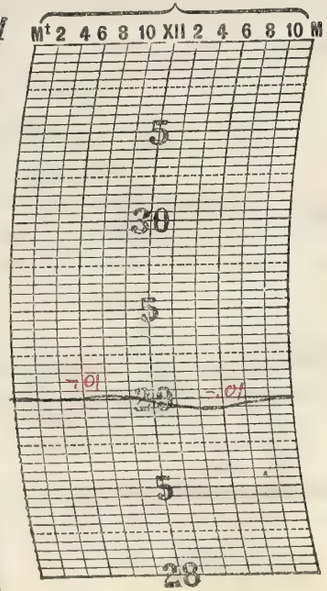
Clouds: Amount, 5; Kind, Cu.; Direction, N.E.

Velocity of clouds (miles per hour)

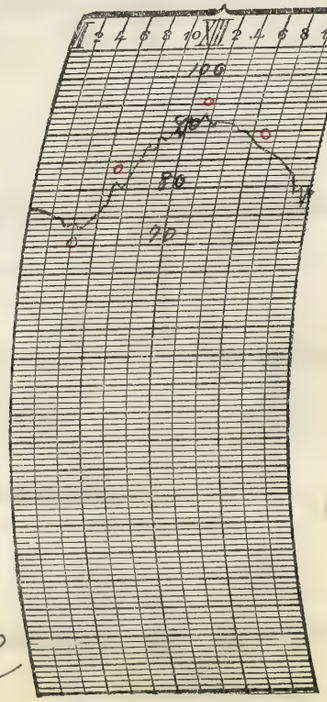
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A healthy cloudy and hot day with light southerly breeze

Prepared by

Verified by P. M. Donnegh

S—186

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) July 15, 192

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	76	75	73	73	73	75	78	82	87	89	91	94	95	95	94	91	85	85	84	81	79	79	78	78
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						←		Clear					×		Pt. Cloudy		×		Cloudy		→			
Sunshine (in tenths of hours)					.78	0.6																		
					0	0.4	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0	0	0	0				
Wind direction	SE	SE	SE	S	S	S	S	S	SW	SW	W	S	S	S	S	S	S	S	S	SW	SW	E	E	E
Wind movement	3	2	2	4	4	2	2	2	4	4	4	5	7	7	6	7	12	9	8	3	3	3	1	3
Maximum velocities (exceeding 25 miles) direction and time																								

Sunrise: Time, 4:13 Character, Clear
Moonrise: 2:28a
Sunset: Time, 7:17 Character, Cloudy
Moonset: 5:19p

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
96	73	84	

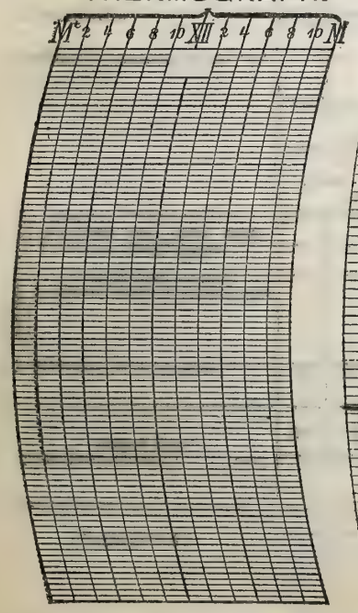
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 11.6 Possible sunshine, hours, 15.0
Per cent of possible sunshine, 77
Prevailing wind direction, S Total wind 100
Average hourly velocity, 4.5 Extreme velocity, 15
Maximum velocity, 12 Direction,
Time began, 4:34 p.m.
Reduced barometer, 29.97 7 a. m. 29.95 7 p. m.
River gage, 2.9 Feet
Relative humidity, 64 7 a. m. p. m.

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

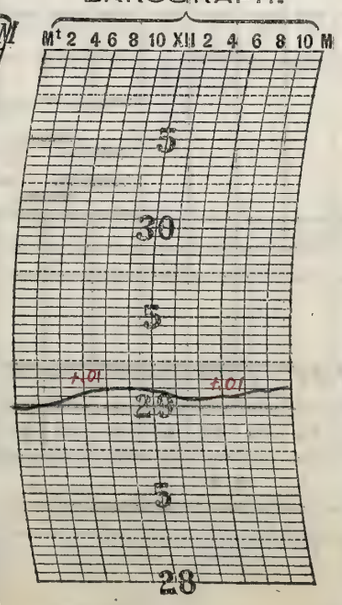
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 93.0 Wet temperature, 73.0
Dew-point, 64 R. humidity, 48 V. pressure, .525
Clouds: Amount, 2; Kind, Cu.; Direction, SW
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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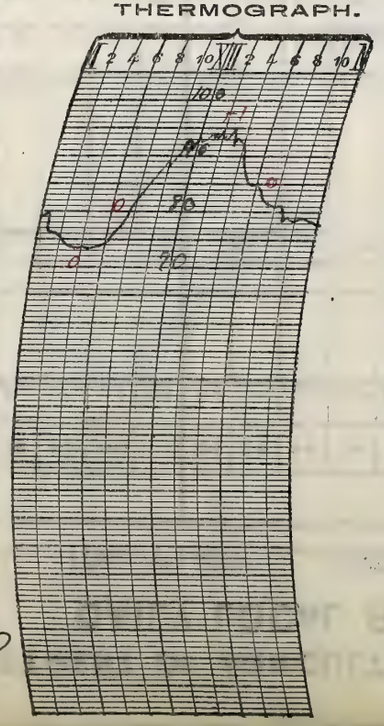


NOTES.

A clear and hot day.

Prepared by C. C. S.
Verified by C. M. Donough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) JUL - 4 192, 192

Time (local standard). 2 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	78	78	77	75	75	77	80	86	91	93	94	95
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Clear						
Sunshine (in tenths of hours)					.77	0.5	1.0	1.0	1.0	1.0	1.0	1.0
Wind direction	SE	S	S	S	S	S	SW	SW	W	NE	NE	N
Wind movement	2	3	4	4	2	2	2	2	2	4	3	2

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	97	97	97	89	89	88	87	84	80	80	79	78
Nature of precipitation and time of beginning and ending									7:28 8:35 8:45 9:40			
Amounts of precipitation									T			
Cloudiness and other conditions						→ Pt. Cloudy →						
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.9	1.0	0	0	0				
Wind direction	N	NW	NW	S	SW	SW	SW	SW	SE	S	SW	NW
Wind movement	3	4	6	10	7	5	7	6	8	6	3	5

Sunrise: Time, 4:14 Character, Clear

Moonrise: 8:12a

Sunset: Time, 7:16 Character, Cloudy

Moonset: 6:12p

Maximum velocities (exceeding 40 miles) direction and time.

Excessive precipitation, accumulated amounts.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
98	75	86	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Pt. Cloudy Moon phase,

Average daily cloudiness (0-10), 4

Actual sunshine, hours, 12.2 Possible sunshine, hours, 14.3

Per cent of possible sunshine, 85

Prevailing wind direction, S & SW Total wind 192

Average hourly velocity, 4.2 Extreme velocity, 12

Maximum velocity, 12 Direction, S

Time began, 9:06 p.m.

Reduced barometer, 29.96 7 a. m. 29.61 p. m.

River gage, 2.6 Fall

Relative humidity, 68 a. m. p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

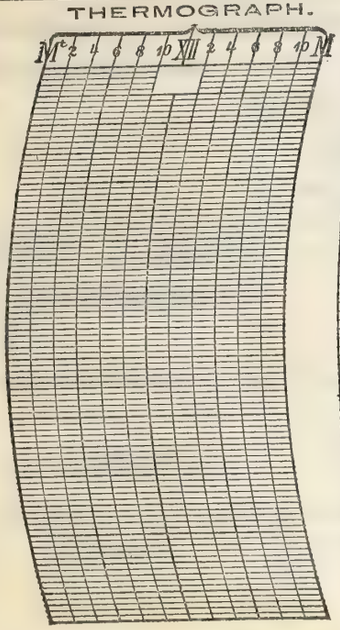
Dry temperature, 95.0 Wet temperature, 76.0

Dew-point, 68 R. humidity, 42 V. pressure, .68

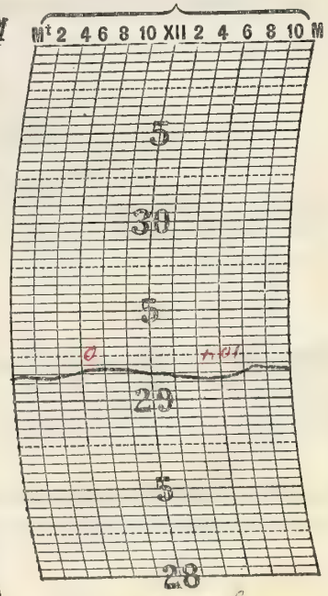
Clouds: Amount, 3; Kind, Cu; Direction, S

Velocity of clouds (miles per hour)

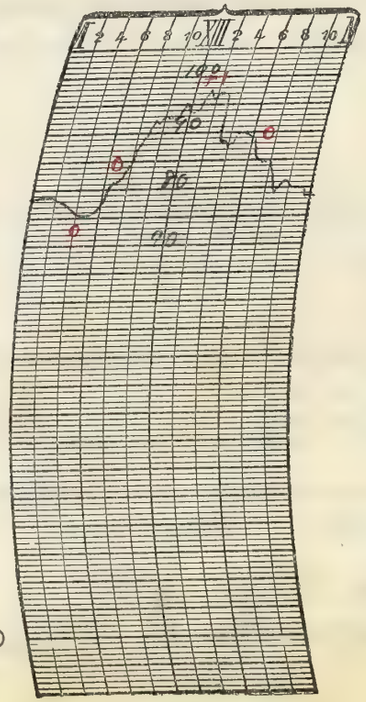
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A partly cloudy and hot day. The maximum temperature of 98° was the highest recorded so far this year.

Occasional peals of thunder were heard from 8:35 p.m. until 9:00 p.m. Heavy showers were reported to have occurred in the eastern part of this city during the afternoon.

Prepared by

Verified by P. M. O'Donnell

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) ....., 192

Time (local standard). ..... mer. normal time.	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	77	77	75	75	75	77	[illegible]	86	91	92	95	95
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Clear					× Pt. Cloudy	
Sunrise: Time, Character,	4:15 Cloudy											
Moonrise:	4:31a											
Sunshine (in tenths of hours)					0	0.1	1.0	1.0	1.0	1.0	1.0	1.0
Wind direction	NW	NW	NW	NE	NE	SW	SE	E	E	SE	SE	SE
Wind movement	2	3	3	2	4	1	2	4	3	5	5	5
Maximum velocities (exceeding [illegible] miles) direction and time												

P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
96	95	95	95	93	92	86	84	82	81	79	78
			×	Cloudy							
								Sunset: Time, Character, 7:16 Cloudy			
								Moonset: 7:12a			
1.0	1.0	1.0	1.0	0.9	0	0	0				
E	S	SE	E	NE	E	NW	NW	NE	N	N	N
4	4	6	6	6	5	6	4	6	3	3	2

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
96	74	85	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase, New-9:26a
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 11.0 Possible sunshine, hours, 15.0
Per cent of possible sunshine, 73
Prevailing wind direction, E, SE, NW Total wind 72
Average hourly velocity, 3.8 Extreme velocity, 10
Maximum velocity, 10 Direction, NW
Time began, 6:45 p.m.
Reduced barometer, 30.08 7 a. m. 30.03 7 p. m.
River gage, 2.5 Feet
Relative humidity, 73 7 a. m. 62 7 p. m.

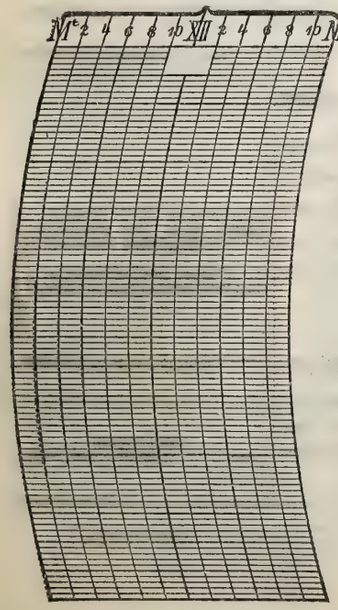
Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

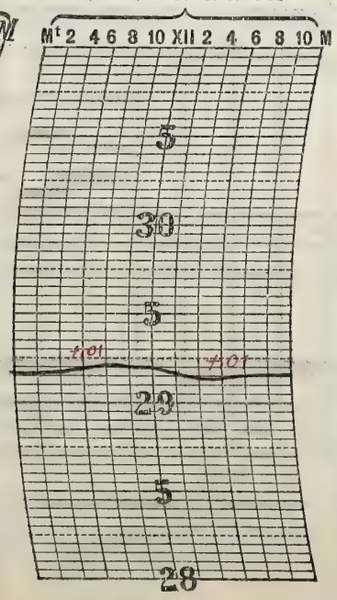
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 95.7 Wet temperature, 74.[illegible]
Dew-point, 62 R. humidity, 43 V. pressure, [illegible]
Clouds: Amount, 7; Kind, A.St.; Direction, [illegible]
Velocity of clouds (miles per hour)

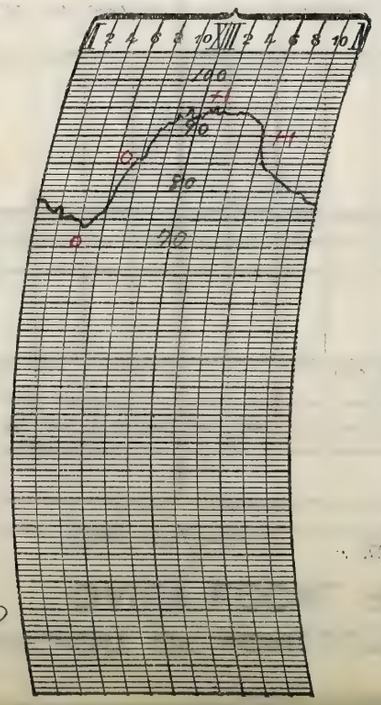
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A pleasantly Monday but warmer and pleasanter day.

Prepared by .....
Verified by O. M. Donnelly

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) JUL - 6 1921, 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	78	77	77	76	75	77	78	84	88	92	93	94
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						←			Hazy			
Sunrise: Time, 4:15 Character, Hazy												
Moonrise: 5:44 a.												
Sunshine (in tenths of hours)					0	0	0.8	1.0	1.0	1.0	1.0	1.0
Wind direction	N	N	N	N	N	N	NE	NE	E	E	E	E
Wind movement	3	3	4	4	5	4	4	5	5	4	5	5
Maximum velocities (exceeding 20 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	95	96	95	95	92	88	88	82	80	79	77	76
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												
Sunrise: Time, Character,												
Moonrise:												
Sunset: Time, 7:16 Character, Cloudy												
Moonset: 8:09 P.												
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	0.8	0.1	0	0				
Wind direction	E	E	E	E	E	NE	E	NE	E	E	E	NE
Wind movement	4	6	3	3	4	7	6	5	3	7	6	7
Maximum velocities (exceeding 20 miles) direction and time												

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
96	75	86	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 10.2 Possible sunshine, hours, 14.6
Per cent of possible sunshine, 71
Prevailing wind direction, E Total wind 112
Average hourly velocity, 4.7 Extreme velocity, 15
Maximum velocity, 13 Direction, E
Time began, 6:41 p.m.
Reduced barometer, 29.08 7 a. m. 29.99 7 p. m.
River gage, 2.6 Feet.
Relative humidity, 75 7 a. m. 46 7 p. m.

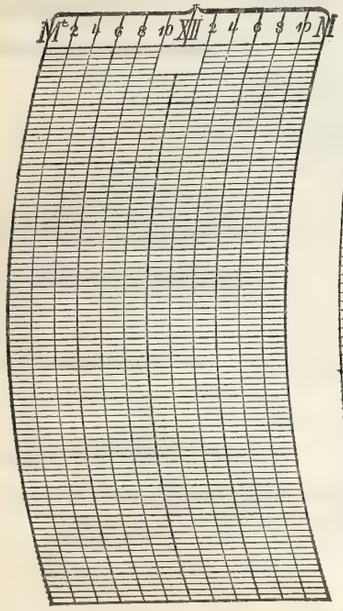
Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

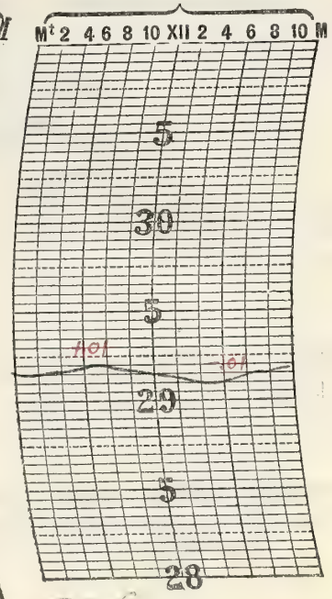
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 94.0 Wet temperature, 74.0
Dew-point, 65 R. humidity, 50 V. pressure, .611
Clouds: Amount, 10 Kind, Haze; Direction,
Velocity of clouds (miles per hour)

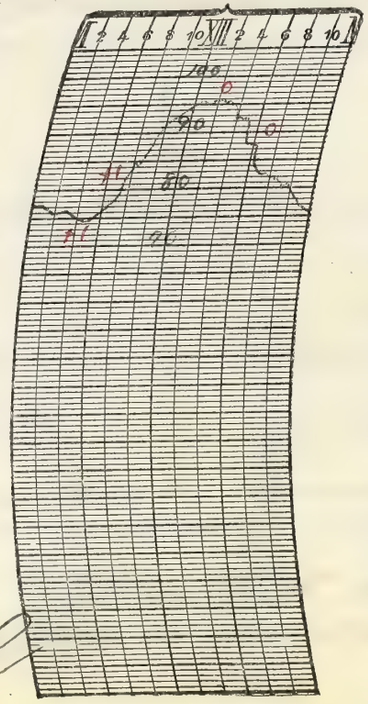
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Cirrus haze began clearing at 1 a.m., became light at 1:06 p.m. and continued in the night.
Thunderstorms. First thunder heard in northeast at 5:45 p.m., last thunder heard in northwest at 8:15 p.m. Flashes of light intensity and no precipitation occurred at the station.

Prepared by
Verified by P. M. O'Donnegh

8—186

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) July 7 192, 192

Time (local standard), 90° mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	75	75	74	74	73	76	78	82	85	87	90	92	92	93	93	93	92	90	89	84	84	81	80	79
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						←			Hazy				×			Cloudy								→
Sunrise: Time, 4:16; Character, Hazy																								
Moonrise: 6:54a																								
Sunset: Time, 7:16; Character, Cloudy																								
Moonset: 8:43p																								
Sunshine (in tenths of hours)					0	0	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7	0	0				
Wind direction	E	E	SE	SE	SE	SE	SE	S	S	S	S	S	SE	SE	S	S	S	SW	SW	SW	SW	SW	SW	SW
Wind movement	8	6	5	3	2	3	3	6	7	8	9	9	9	10	11	11	11	10	9	4	7	5	7	5
Maximum velocities (exceeding 29 miles) direction and time																								

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
94	73	84	

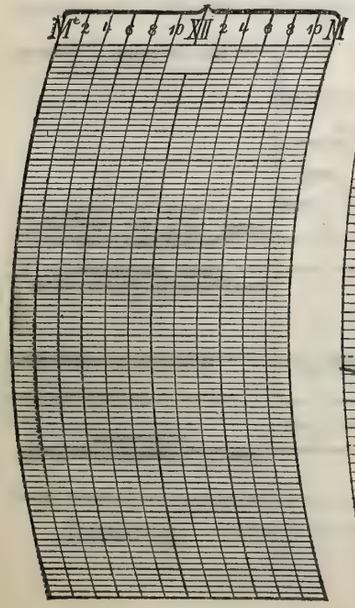
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy. Moon phase,
Average daily cloudiness (0–10), 4
Actual sunshine, hours, 11.3 Possible sunshine, hours, 15.0
Per cent of possible sunshine, 75
Prevailing wind direction, S Total wind 163
Average hourly velocity, 6.8 Extreme velocity, 15
Maximum velocity, 14 Direction, S
Time began, 3:13 p.m.
Reduced barometer, 30.07 7 a. m. 29.95 7, p. m.
River gage, 2.4 Feet.
Relative humidity, 78 7 a. m. 45 7 p. m.

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

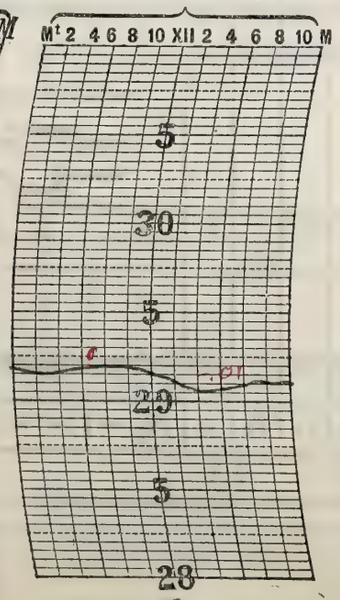
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 90.2 Wet temperature, 73.0
Dew-point, 65 R. humidity, 44 V. pressure, .616
Clouds: Amount, 10; Kind, Dense; Direction,
Velocity of clouds (miles per hour)

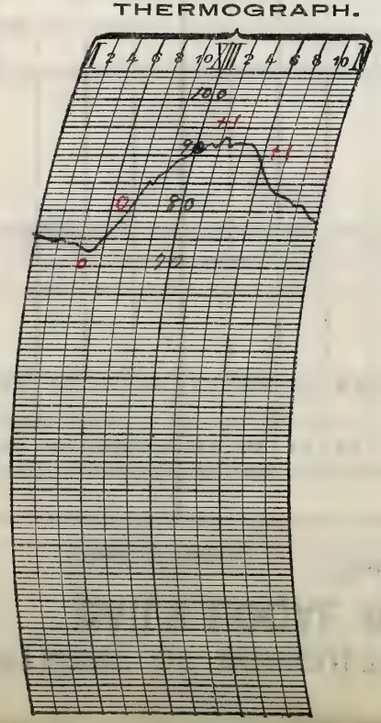
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The haze which commenced on the 6th again became dense during the night a.m. and continued until about 1:30 p.m. at which time it turned to light haze that ended at 4:45 p.m. Very heavily cloudy and hot day though the maximum temperature was slightly lower than for the past few days.

Prepared by C. C. S.
Verified by T. M. O'Donoughe

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind, (Day of week) Friday, (Date) JUL 1 1921, 192

Time (local standard) 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	76	75	74	74	72	75	76	75	79	82	81	86
State of weather: Nature of precipitation and time of beginning and ending								RB 7:12 RE 7:55	RB 8:50 RE 8:56		RB 10:19 RE 10:28	
Amounts of precipitation								.12	T		.04	
Cloudiness and other conditions						←			Cloudy			

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	87	88	90	77	78	77	77	77	76	76	74	72
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Cloudy					

Sunrise: Time, 4:16 Character, Cloudy

Moonrise: 8:07a

Sunset: Time, 7:15 Character, Cloudy

Moonset: 9:22p

	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)	0	0	0	0	0.7	1.0	0.7	0.9	1.0	1.0	1.0	0.4
Wind direction	W	W	NW	NW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	3	4	2	1	2	2	8	11	10	9	10	11
Maximum velocities (exceeding 29 miles) direction and time												

	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)	0.1	0	0	0								
Wind direction	SW	SW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	17	15	14	2	4	4	5	5	3	2	4	5
Maximum velocities (exceeding 29 miles) direction and time												

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
90	72	81	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., .16 ins.

Total precipitation, midnight to midnight, .16 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10), 9

Actual sunshine, hours, 6.4 Possible sunshine, hours, 15.0

Per cent of possible sunshine, 43

Prevailing wind direction, SW Total wind 144.3

Average hourly velocity, 6.8 Extreme velocity, 29

Maximum velocity, 20 Direction, SW

Time began, 10:12 a.m.

Reduced barometer, 29.00 7 a. m. 29.21 7 p. m.

River gage, 2.3 Feet

Relative humidity, 78 7 a. m. 76 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

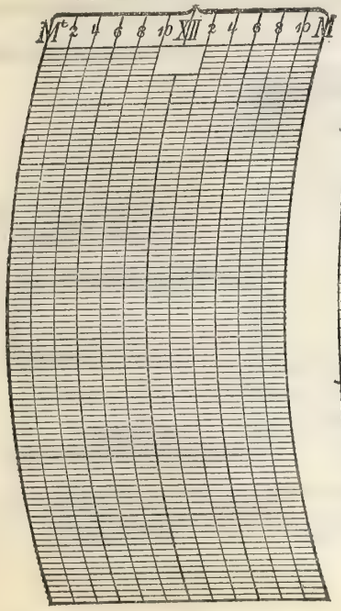
Dry temperature, 86.8 Wet temperature, 74.0

Dew-point, 69 R. humidity, 55 V. pressure, .707

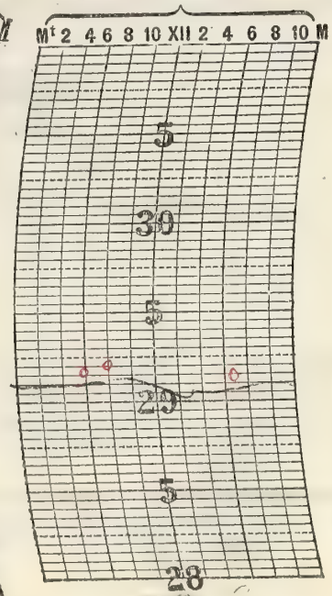
Clouds: Amount, 8; Kind, Strat.; Direction, SW.

Velocity of clouds (miles per hour)

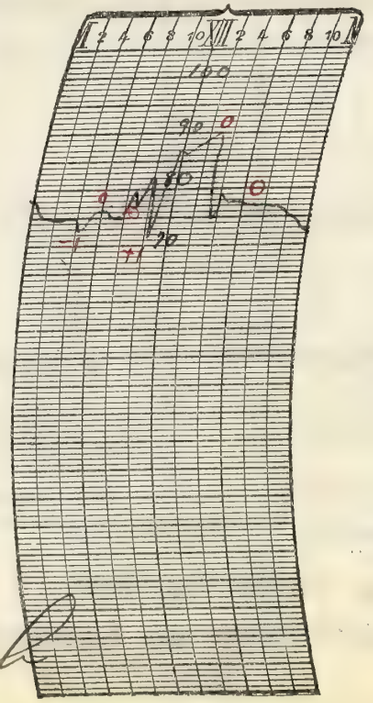
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A thunderstorm moving from the west began at 7:16 a.m., and ended at 10:30 a.m. It was of light intensity although accompanied by moderate to heavy rainfall.

A cloudy day with temperatures somewhat lower than the previous days of the week.

Prepared by

Verified by P. M. Donovan

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) JUL - 9 1921, 192

Time (local standard). ? mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	72	71	70	69	69	69		73	77	79	81	83
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						Clear			×	Pt. Cloudy		
Sunrise: Time, Character,	4:17 Clear											
Moonrise:	9:18a											
Sunshine (in tenths of hours)					.72 0	0.1 0.9	1.0	1.0	1.0	1.0	1.0	1.0
Wind direction	NW	NW	NW	NW	NW	NW	N	N	N	NE	N	N
Wind movement	5	5	5	6	6	8	7	6	7	9	6	7
Maximum velocities (exceeding 12 miles) direction and time												

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	84	85	85	84	85	84	83	78	77	76	73	73
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions		×		Clear								
Sunset: Time, Character,									7:45 Cloudy			
Moonset:									9:57p			
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	1.0	0.3	0				
Wind direction	NW	N	N	N	N	N	N	NE	NE	NE	N	N
Wind movement	7	8	8	10	8	7	6	5	4	2	3	3
Maximum velocities (exceeding 12 miles) direction and time												

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
86	69	78	X

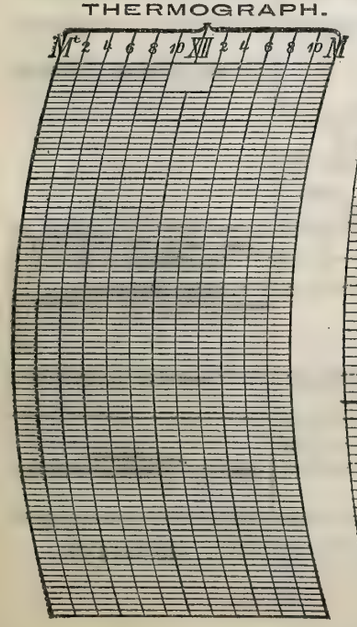
Total depth of snow for 24 hours ending ? p. m., 0 inches.
Snow, sleet, and hail on ground ? p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to ? a. m., 0 ins.; to ? p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0–10), 4
Actual sunshine, hours, 14.0 Possible sunshine, hours, 15.0
Per cent of possible sunshine, 93
Prevailing wind direction, N. Total wind 148
Average hourly velocity, 6.2 Extreme velocity, 12
Maximum velocity, 12 Direction, N
Time began, 3:41 p.m.
Reduced barometer, ? a. m. 29.94 ? p. m.
River gage, 2.3 Fee
Relative humidity, ? a. m. 52 ? p. m.

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

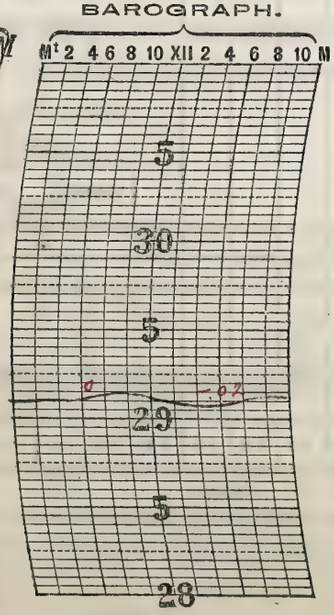
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 83.0 Wet temperature, 69.8
Dew-point, 64 R. humidity, 52 V. pressure, .595
Clouds: Amount, 5; Kind, Cu; Direction, N
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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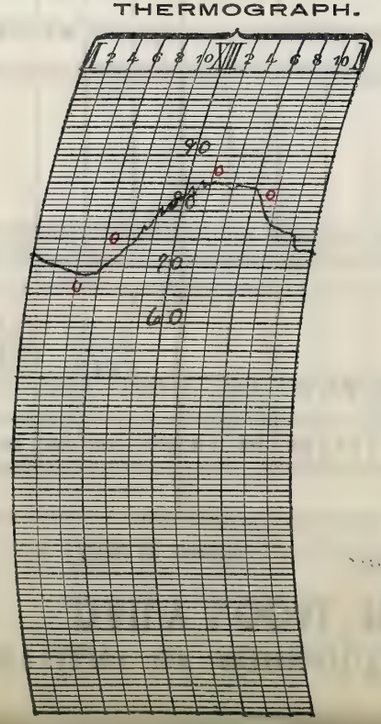


NOTES.

A partly cloudy and rather warm day with light northerly winds.

Prepared by P. M. Donnegh

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) JUL 10 1921, 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	72	71	70	70	69	69	73	76	79	82	83	85
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						←	Clear		→	Pt. Cloudy		
Sunshine (in tenths of hours)					.70 0	0.2 0.8	1.0	1.0	1.0	1.0	1.0	1.0
Wind direction	N	N	N	N	N	N	N	N	N	N	N	N
Wind movement	3	3	3	4	4	3	5	5	6	6	6	7

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	85	84	83	82	77 RB 4:42	79 RE 5:13	79	76	75	74	73	72
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation					T	T						
Cloudiness and other conditions					Cloudy			Pt. Cldy		Clear		
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	0	0.8	0.6 0.4	.25 0				
Wind direction	NW	N	N	NE	NE	NE	E	E	E	E	N	N
Wind movement	7	8	8	7	9	6	5	3	2	2	2	3

Sunrise: Time, 4:18 Character, Clear

Moonrise: 10:27a

Sunset: Time, 7:15 Character, Clear

Moonset: 10:32p

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.

Excessive precipitation, accumulated amounts

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
85	69	77	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Pt. Cloudy Moon phase,

Average daily cloudiness (0-10), 6

Actual sunshine, hours, 13.8 Possible sunshine, hours, 15.0

Per cent of possible sunshine, 92

Prevailing wind direction, N Total wind 112

Average hourly velocity, 4.7 Extreme velocity, 16

Maximum velocity, 10 Direction, NE

Time began, 4:40 p.m.

Reduced barometer, 30.04 7 a. m. 30.05 7 p. m.

River gage, 2.8 Feet

Relative humidity, 77 7 a. m. 64 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

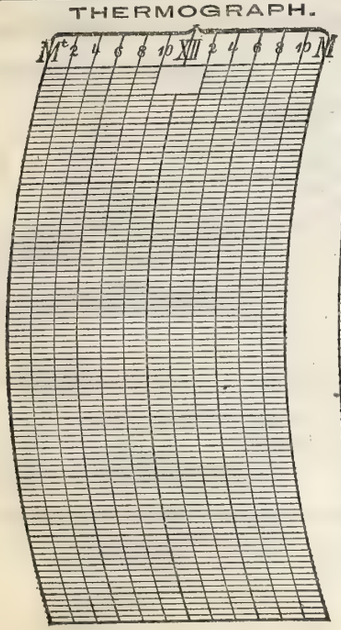
Dry temperature, 83.3 Wet temperature, 69.3

Dew-point, 62 R. humidity, 50 V. pressure, .555

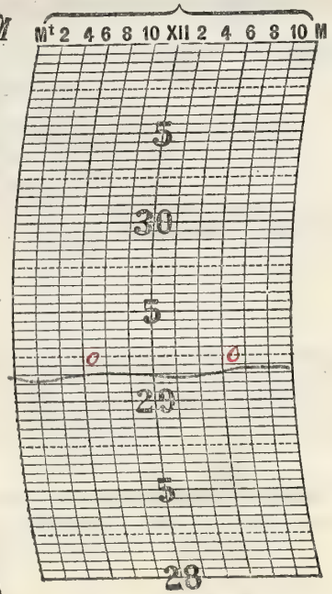
Clouds: Amount, 5; Kind, Cu.; Direction, NE

Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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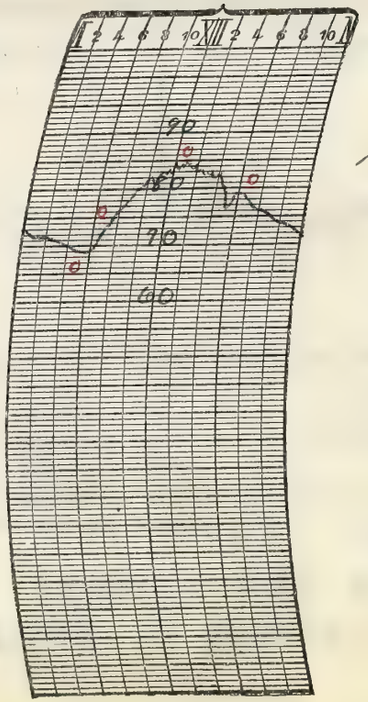


NOTES.

A pretty cloudy and moderately warm day with a light shower of rain shortly after the middle of the afternoon.

Prepared by CCS

Verified by P. M. Donough

8—186

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) Monday, (Date) JUL 11 1921, 192

Time (local standard). 90th mer. normal time.

A. M.	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	71	70	69	69	68	69	72	75	78	81	82	84
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						+ Clear			×	Pt. Cloudy		
Sunshine (in tenths of hours)					.70 0	0.5 0.5	1.0 1.0	1.0 1.0	1.0 1.0	1.0 1.0	1.0 1.0	1.0 1.0
Wind direction	N	NW	NW	NW	NW	N	NE	NE	NE	NE	NE	NE
Wind movement	4	3	2	4	4	5	4	6	6	7	7	7

P. M.	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	86	86	87	87	88	87	86	82	80	79	78	75
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions			Pt. Cloudy			×	Clear					
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	1.0	0	0				
Wind direction	NE	NE	NE	NE	NE	NE	NE	E	E	E	E	NE
Wind movement	7	7	8	7	8	8	6	4	5	4	4	4

Sunrise: Time, 4:18; Character, Clear. Moonrise: 11:34 a.

Sunset: Time, 7:14; Character, Cloudy. Moonset: 11:04 p.

Maximum velocities (exceeding 29 miles) direction and time:

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
89	68	78	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt. Cloudy Moon phase, Equinox P.

Average daily cloudiness (0-10), 2

Actual sunshine, hours, 13.7 Possible sunshine, hours, 14.7

Per cent of possible sunshine, 92

Prevailing wind direction, NE Total wind 129

Average hourly velocity, 5.4 Extreme velocity, 18

Maximum velocity, 11 Direction, NE

Time began, 2:10 p.m.

Reduced barometer, 28.13 7 a. m. 28.08 7 p. m.

River gage, 2.6 Fall

Relative humidity, 79 7 a. m. 54 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

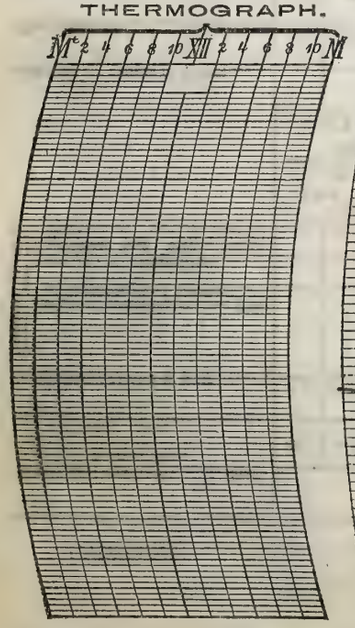
Dry temperature, 84.0 Wet temperature, 71.5

Dew-point, 66 R. humidity, 54 V. pressure, .628

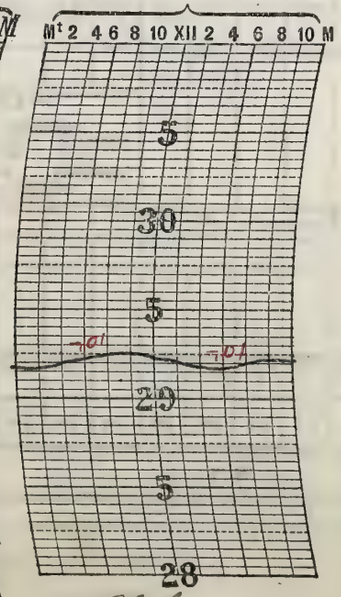
Clouds: Amount, 5; Kind, Cu; Direction, NE

Velocity of clouds (miles per hour)

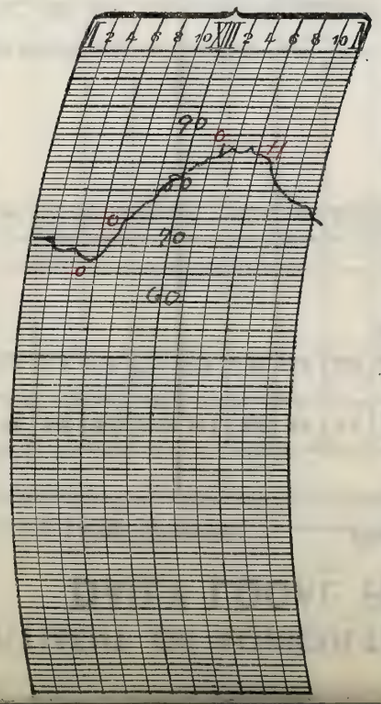
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A healthy cloudy and very warm and muggy day.

Prepared by [illegible]

Verified by T. M. Donough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) JUL 1 1924, 192

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	74	73	75	71	71	75	77	82	84	86	88	89
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Clear						
Sunshine (in tenths of hours)					.68 0	.34 0.6	1.0	1.0	1.0	1.0	1.0	1.0
Wind direction	NE	NE	E	E	NE	NE	NE	NE	NE	NE	NE	NE
Wind movement	5	4	2	4	3	3	3	5	6	7	6	7

Sunrise: Time, 4:19 Character, Clear

Moonrise: 12:39 P.

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	91	91	92	92	90	89	87	83	81	80	78	76
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						Clear →						
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	1.0	0	0				
Wind direction	NE	NE	NE	N	NE	NE	NE	E	E	O	E	E
Wind movement	7	8	7	6	8	6	5	1	1	0	2	3

Sunset: Time, 7:14 Character, Cloudy

Moonset: 11:42 P.

Maximum velocities (exceeding 25 miles) direction and time

Excessive precipitation, accumulated amounts

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
92	71	82 x	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10), 2

Actual sunshine, hours, 13.2 Possible sunshine, hours, 14.2

Per cent of possible sunshine, 92

Prevailing wind direction, NE Total wind 10.9

Average hourly velocity, 4.5 Extreme velocity, 10

Maximum velocity, 10 Direction, NE

Time began, 11:52 P.M.

Reduced barometer, 30.14 7 a. m. 30.03 7 p. m.

River gage, 2.4 Feet.

Relative humidity, 76 7 a. m. 42 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

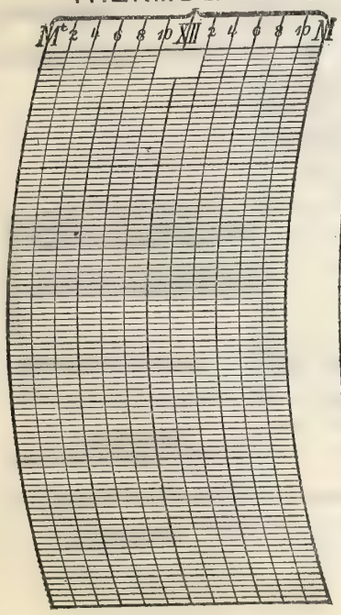
Dry temperature, 89.2 Wet temperature, 62.2

Dew-point, 58 R. humidity, 36 V. pressure, .482

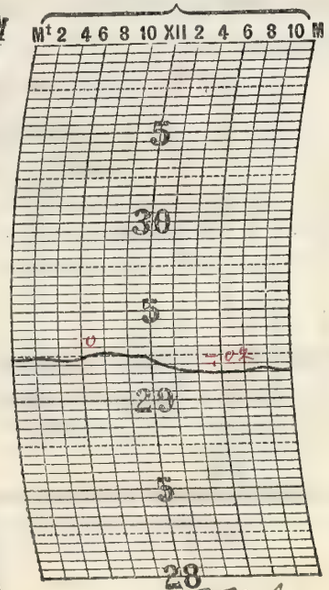
Clouds: Amount, 3; Kind, Cu; Direction, N.

Velocity of clouds (miles per hour)

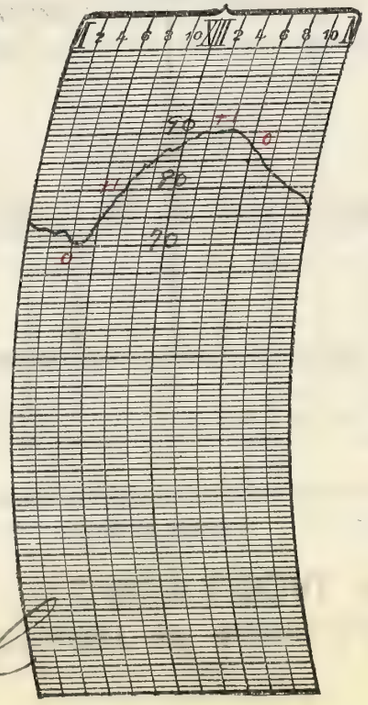
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Clear, warm, and a
in the sultry day

Prepared by

Verified by F. M. Dunnigh

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) [illegible], (Date) [illegible], 192

Time (local standard). 90° mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	75	73	73	71	70	72	75	80	83	84	86	87
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions									Clear			
Sunshine (in tenths of hours)					.67 0	0.4 0.6	1.0	1.0	1.0	1.0	1.0	1.0
Wind direction	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	E	NE
Wind movement	3	3	3	3	4	4	4	5	6	7	8	7
Maximum velocities (exceeding 20 miles) direction and time												

Sunrise: Time, 4:20 Character, Clear
Moonrise: 1:41 A.M.

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	88	90	89	90	89	87	86	84	81	80	78	76
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					Clear							
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	1.0	0.2	0				
Wind direction	E	NE	NE	E	E	E	NE	NE	E	SE	SE	S
Wind movement	8	8	6	5	6	5	5	5	2	5	5	4
Maximum velocities (exceeding 20 miles) direction and time												

Sunset: Time, 7:13 Character, Cloudy
Moonset: —

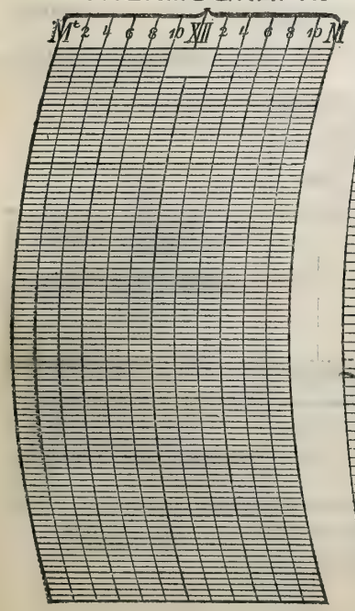
	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
90	70	80	

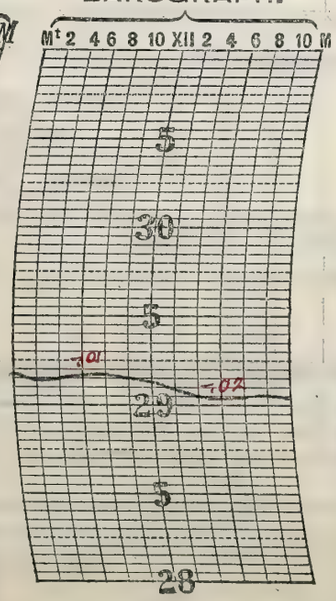
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, ____
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 13.9 Possible sunshine, hours, 14.9
Per cent of possible sunshine, 93
Prevailing wind direction, NE Total wind 123
Average hourly velocity, 5.1 Extreme velocity, 11
Maximum velocity, 11 Direction, NE
Time began, 10:15 a.m.
Reduced barometer, 29.06 7 a. m. 29.91 7 p. m.
River gage, 2.3 Feet.
Relative humidity, 80 7 a. m. 48 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 87.0 Wet temperature, 72.0
Dew-point, 65 R. humidity, 48 V. pressure, 616
Clouds: Amount, 3; Kind, Cu.; Direction, NE
Velocity of clouds (miles per hour)

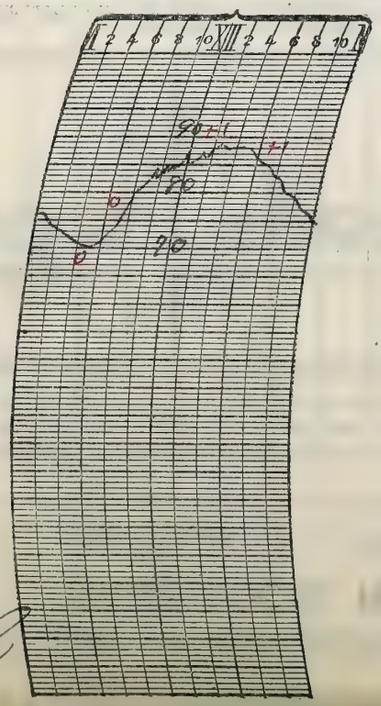
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A clear, warm and sultry day.

Prepared by J. O. Allen
Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday; (Date) JUL 14 1921, 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	75	74	73	73	72	74	76	82	86	91	92	95
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						←			Clear			
Sunshine (in tenths of hours)					.6	0.7	1.0	1.0	1.0	1.0	1.0	1.0
Wind direction	S	S	S	S	S	S	S	SW	SW	W	SW	SW
Wind movement	3	3	3	3	4	3	5	5	5	6	6	6

Sunrise: Time, 4:21; Character, Clear. Moonrise: 2:41 p.

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	96	96	87	80	80	83	83	81	79	78	77	76
State of weather: Nature of precipitation and time of beginning and ending					RB 4:37 RE 4:54							
Amounts of precipitation					T							
Cloudiness and other conditions										→		
Sunshine (in tenths of hours)	1.0	1.0	1.0	0	0	0	0	0				
Wind direction	SW	SW	SW	NW	NW	NW	NW	NW	E	E	NW	NW
Wind movement	6	5	9	12	9	7	5	3	2	2	5	4

Partly Cloudy — Cloudy

Sunset: Time, 7:13; Character, Cloudy. Moonset: 12:19 a.

Maximum velocities (exceeding 29 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
97	71	84	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Pt. Cloudy Moon phase,

Average daily cloudiness (0-10), 4

Actual sunshine, hours, 10.6 Possible sunshine, hours, 14.9

Per cent of possible sunshine, 71

Prevailing wind direction, S, SW-NW Total wind 128

Average hourly velocity, 5.3 Extreme velocity, 31

Maximum velocity, 28 Direction, NW

Time began, 2:57 p.m.

Reduced barometer, 29.82 7 a. m. 29.83 7 p. m.

River gage, 4.3 Fort

Relative humidity, 75 7 a. m. 57 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

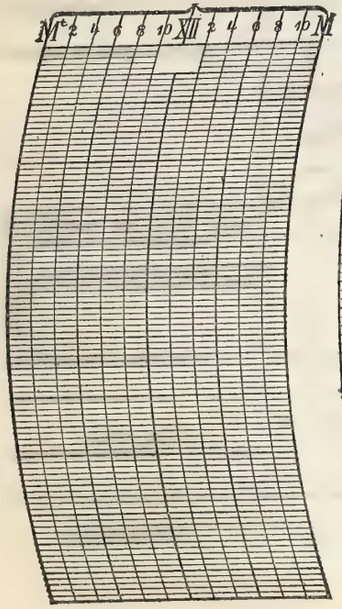
Dry temperature, 93.0 Wet temperature, 71.6

Dew-point, 61 R. humidity, 35 V. pressure, .536

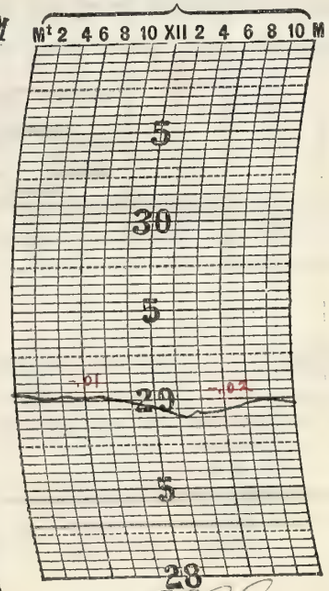
Clouds: Amount, 3; Kind, Ci; Direction, NW

Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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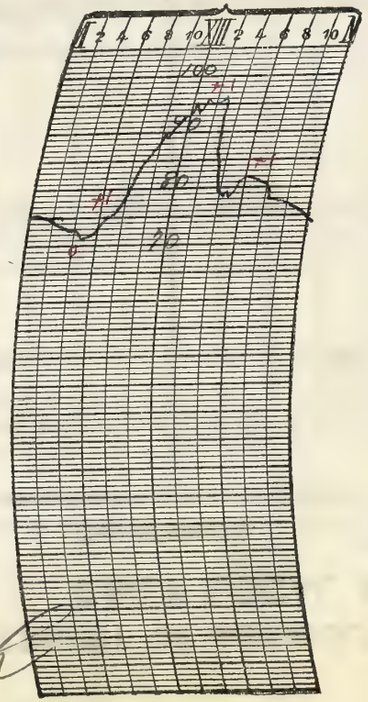


NOTES.

A hazy cloudy and very warm day with light to moderate westerly winds.

Prepared by

Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne Ind, (Day of week) Friday, (Date) [illegible], 192

Time (local standard). 90th mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	73	72	70	70	70	72	73	78	79	80	83	84
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Clear						
Sunrise: Time, Character,	4:21 Clear											
Moonrise:	3:38a											
Sunshine (in tenths of hours)					.6 0	.6 0.4	1.0	1.0	1.0	1.0	1.0	1.0
Wind direction	NW	NW	NW	NW	N	N	NE	NE	NE	NE	NE	NE
Wind movement	5	5	5	4	4	5	8	11	12	11	11	13
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	85	85	85	84	84	83	81	78	76	74	71	70
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Pt. Cloudy					Clear						→
Sunset: Time, Character,									7:12 Clear			
Moonset:									12:59a			
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	1.0	0.7 0.3	.20 0				
Wind direction	NE	NE	NE	NE	NE	NE	NE	E	E	E	E	E
Wind movement	13	12	13	14	14	12	9	7	6	7	6	5
Maximum velocities (exceeding 29 miles) direction and time												

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
86	70	78	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 14.8 Possible sunshine, hours, 14.8
Per cent of possible sunshine, 100
Prevailing wind direction, NE Total wind 312
Average hourly velocity, 8.8 Extreme velocity, 19
Maximum velocity, 18 Direction, NE
Time began, 12:04 p.m.
Reduced barometer, 29.83 7 a. m. 30.00 7 p. m.
River gage, 2.25 Fall
Relative humidity, 83 7 a. m. 45 7 p. m.

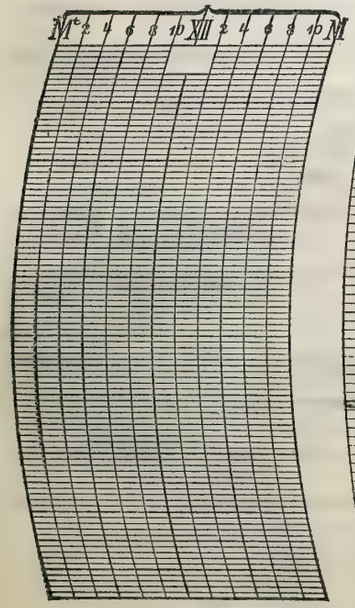
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

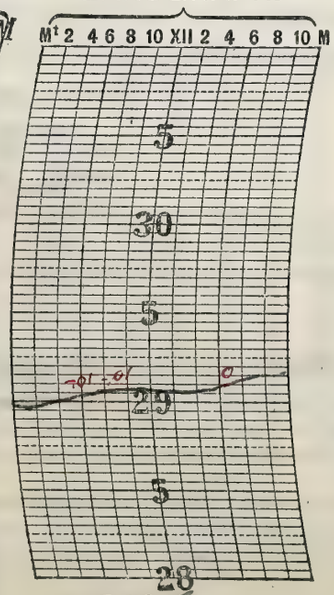
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 83.2 Wet temperature, 68.8
Dew-point, 61 R. humidity, 48 V. pressure, .536
Clouds: Amount, 4; Kind, Cu; Direction, NE
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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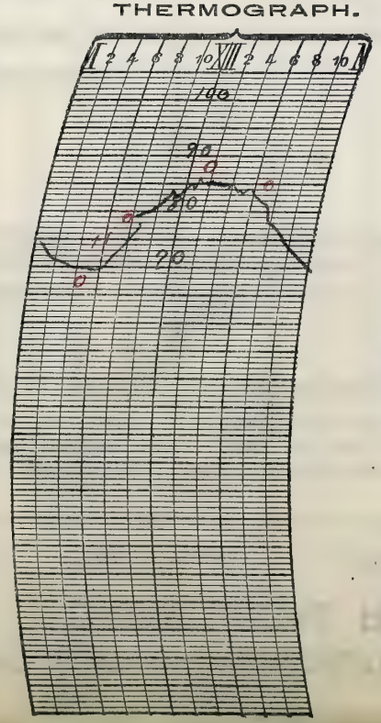


NOTES.

A pretty cloudy day with moderate temperatures and fair northerly winds

Prepared by [illegible]
Verified by C. M. Donoughe

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) JUL 1 0 1921, 192

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	68	67	66	65	64	67	70	76	81	82	84	85	86	86	87	86	86	85	83	80	77	74	73	71
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						←			Clear					Clear					Pt. Cloudy			→		
Sunshine (in tenths of hours)					0.3	0.3 0	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4 0.3	0				
Wind direction	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	E	E	E	E	E	E	E	E
Wind movement	3	4	6	6	4	4	5	4	5	7	6	7	7	7	7	6	5	5	5	6	6	6	6	6
Maximum velocities (exceeding 20 miles) direction and time																								

Sunrise: Time, 4:22 Character, Clear
Moonrise: 4:31 P.
Sunset: Time, 7:11 Character, Cloudy
Moonset: 1:43 a.

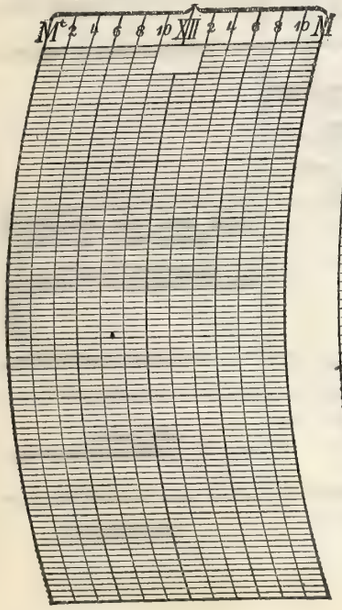
Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
88	64	76	

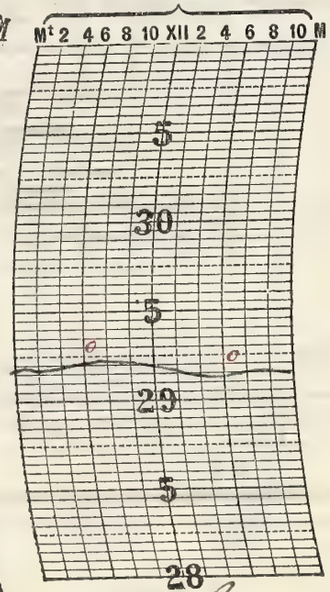
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), Fair
Actual sunshine, hours, 14.2 Possible sunshine, hours, 14.8
Per cent of possible sunshine, 96
Prevailing wind direction, NE Total wind 133
Average hourly velocity, 5.5 Extreme velocity, 12
Maximum velocity, 12 Direction, NE
Time began, 1:51 p. m.
Reduced barometer, 30.11 7 a. m. 30.04 7 p. m.
River gage, 2.1 Feet
Relative humidity, 66 7 a. m. 25 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 83.8 Wet temperature, 57.8
Dew-point, 41 R. humidity, 22 V. pressure, .256
Clouds: Amount, 1 FEW; Kind, Cu. Cirst.; Direction, NW NNW
Velocity of clouds (miles per hour)

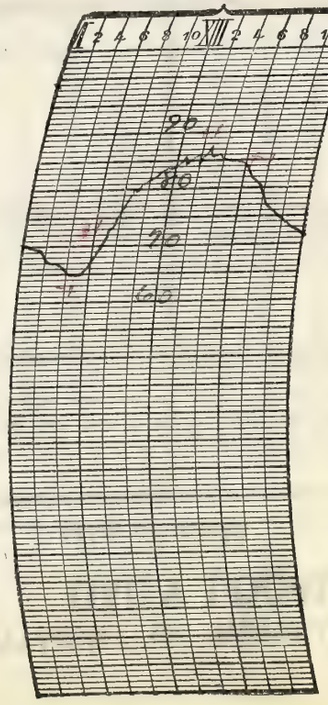
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A clear and hot day with the country winds and low humidity

Prepared by CCS

Verified by C. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) ....., (Day of week) ....., (Date) ....., 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	71	70	68	68	68	70	73	78	83	86	88	90
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						←	Clear					
Sunshine (in tenths of hours)					.62 0	1.0 0	0.9	1.0	1.0	1.0	1.0	1.0
Wind direction	E	E	E	E	SE	SE	S	SW	SW	SW	SW	SW
Wind movement	4	3	3	3	1	3	6	8	8	10	10	9

Sunrise: Time, 4:23 Character, Clear
Moonrise: 5:19p

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	92	92	93	93	93	92	91	87	84	81	79	78
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Clear					
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	1.0	0.6 0.4	.18 0				
Wind direction	SW	W	W	NW	NW	W	NW	NW	SW	SW	SW	SW
Wind movement	9	8	8	7	5	5	2	2	5	6	7	9

Sunset: Time, 7:11 Character, Clear
Moonset: 2:21a

Maximum velocities (exceeding 27 miles) direction and time.

Excessive precipitation, accumulated amounts

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

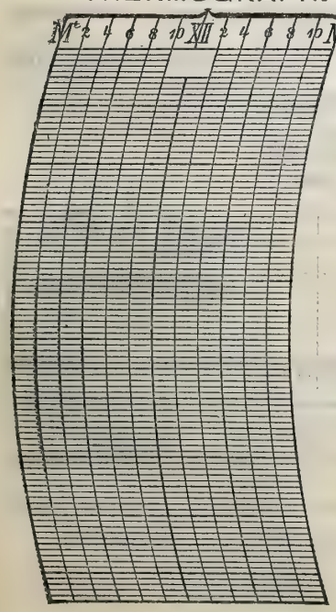
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
95	67	81	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, ...
Average daily cloudiness (0-10), ...
Actual sunshine, hours, 14.7 Possible sunshine, hours, 14.8
Per cent of possible sunshine, 99
Prevailing wind direction, SW Total wind 141
Average hourly velocity, 5.9 Extreme velocity, 12
Maximum velocity, 12 Direction, SW
Time began, 12:30 p.m.
Reduced barometer, 30.05 7 a. m. 29.95 7 p. m.
River gage, 1.9 [illegible]
Relative humidity, 61 7 a. m. 26 7 p. m.

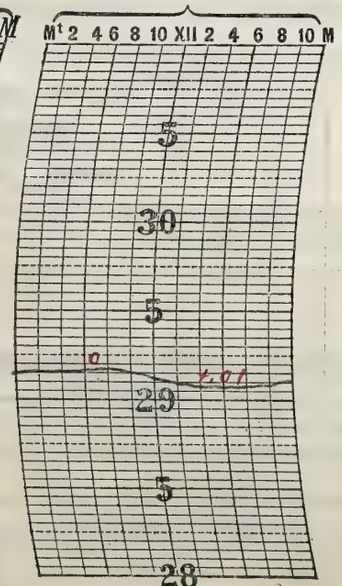
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 90.0 Wet temperature, 64.0
Dew-point, 46 R. humidity, 22 V. pressure, .210
Clouds: Amount, 2; Kind, Cu; Direction, SW
Velocity of clouds (miles per hour) .....

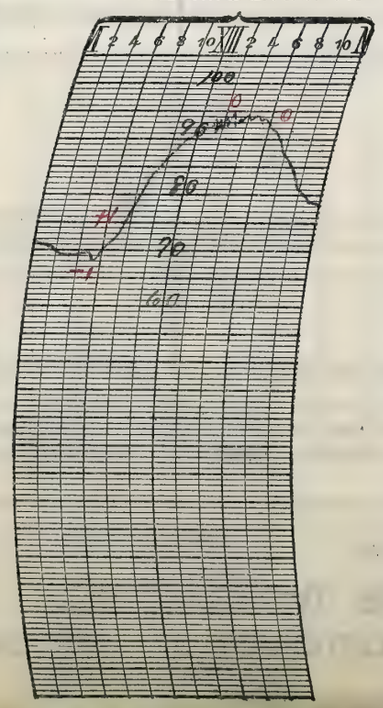
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A clean and hot day with fair westerly winds.

Prepared by C.C.S.
Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind, (Day of week) Monday, (Date) July 2 1921, 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	77	76	73	72	72	74	78	84	88	90	93	94
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	← Pt. Cloudy											
Sunshine (in tenths of hours)					0	0.7	1.0	1.0	1.0	1.0	1.0	1.0
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	10	9	8	9	10	10	10	12	12	13	15	17

Sunrise: Time, 4:24 Character, Cloudy
Moonrise: 6:02p

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	95	96	96	95	93	92	90	87	82	80 RB 9:40	75	75
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation										T	T	T
Cloudiness and other conditions	×			← Cloudy						→		
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	0.3	0	0	0				
Wind direction	SW	SW	SW	SW	SW	SW	S	S	NW	NW	NW	W
Wind movement	17	20	19	16	13	12	10	11	10	9	6	3

Sunset: Time, 7:10 Character, Cloudy
Moonset: 3:32a

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

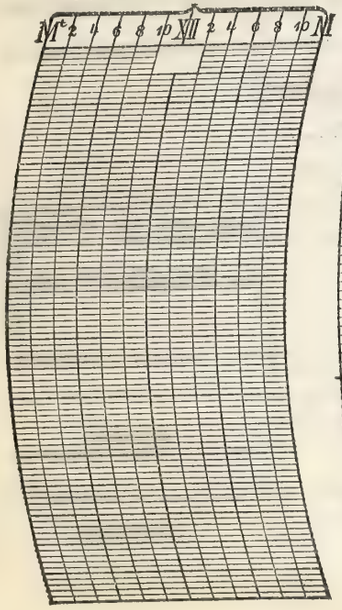
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
96	72	84	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 11.0 Possible sunshine, hours, 14.8
Per cent of possible sunshine, 74
Prevailing wind direction, SW Total wind 279
Average hourly velocity, 11.6 Extreme velocity, 25
Maximum velocity, 34 Direction, SW
Time began, 2:12 p.m.
Reduced barometer, 29.90 7 a. m. 29.83 7 p. m.
River gage, 1.8 Feet
Relative humidity, 50 7 a. m. 34 7 p. m.

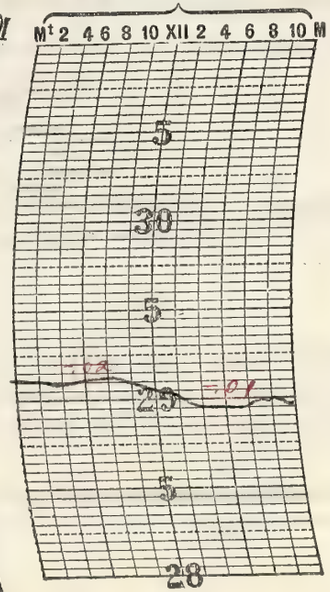
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 94.0 Wet temperature, 68.7
Dew-point, 54 R. humidity, 26 V. pressure, 417
Clouds: Amount, 6; Kind AST; Direction NW
Velocity of clouds (miles per hour)

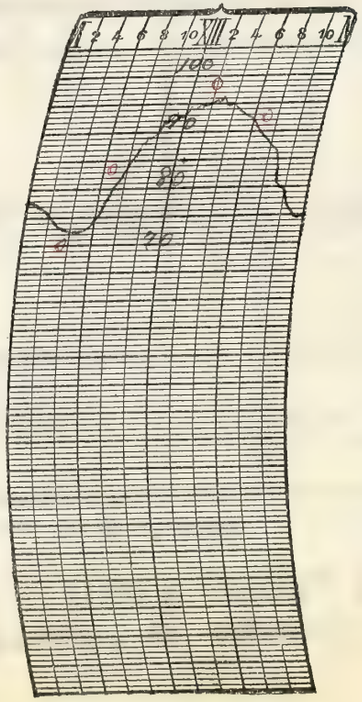
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A pretty cloudy and hot muggy day though there were moderate westerly winds

Prepared by COS.
Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) [illegible], (Date) [illegible], 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	74	73	73	73	73	73	74	76	78	81	84	85	86	88	86	85	84	82	80	77	75	72	70	68
State of weather. Nature of precipitation and time of beginning and ending						RE 5:45																		
Amounts of precipitation	.02	.05	.03	T	.21	.08																		
Cloudiness and other conditions						← Cloudy			×	Pt. Cloudy ×						Clear								→
Sunshine (in tenths of hours)					0	0	0.5	0.8	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.7 / 0.3	.15 / 0				
Wind direction	W	S	SW	S	S	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	3	9	5	4	3	5	10	13	14	12	13	12	14	16	17	17	15	16	12	11	8	10	11	12
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 4:25 Character, Cloudy
Moonrise: 6:42p

Sunset: Time, 7:09 Character, Clear
Moonset: 4:15a

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

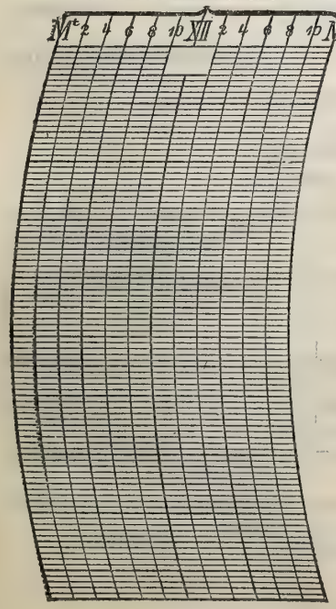
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
88	68	78	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .39 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, .39 inches.
Character of day, Pt. Cloudy. Moon phase, Full 6:08p.
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 12.4 Possible sunshine, hours, 14.7
Per cent of possible sunshine, 84
Prevailing wind direction, NW. Total wind 261
Average hourly velocity, 10.9 Extreme velocity, 21
Maximum velocity, 19 Direction, NW
Time began, 2:25 p.m.
Reduced barometer, 29.81 7 a. m. 29.91 7 p. m.
River gage, 2.2 Feet.
Relative humidity, 91 7 a. m. 47 7 p. m.

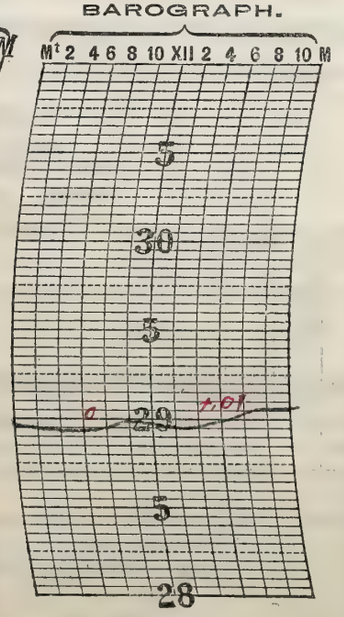
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 86.1 Wet temperature, 71.0
Dew-point, 64 R. humidity, 48 V. pressure, .595
Clouds: Amount, 5; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

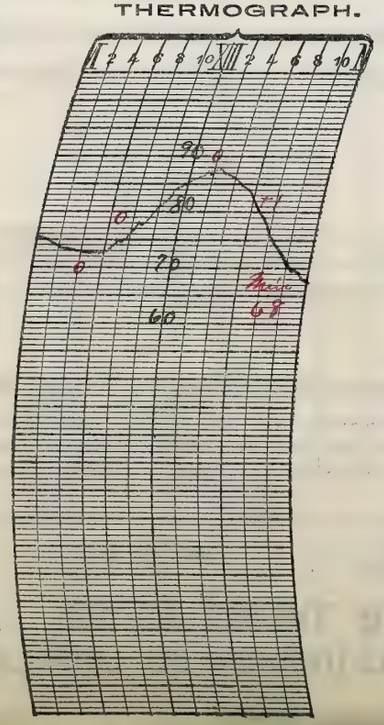
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A pretty cloudy day with moderate temperature.

Prepared by [illegible]
Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) JUL 20 1921, 192

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	67	66	65	65	64	65	66	68	70	72	73	75
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Clear			— x — Pt. Cloudy			x —
Sunshine (in tenths of hours)					.57 0	0.3 0.4	1.0	1.0	1.0	1.0	1.0	1.0
Wind direction	NW	N	N	N	N	N	NE	NE	NE	NE	NE	NE
Wind movement	10	8	7	8	6	7	11	12	11	12	14	14

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	77	78	80	81	80	80	78	76	71	69	67	66
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions			Pt. Cloudy		x —		Clear					→
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	1.0	0.7 0.3	.15 0				
Wind direction	NE	NE	NE	NE	N	N	N	N	N	N	N	N
Wind movement	14	13	12	10	10	8	6	4	7	5	4	4

Sunrise: Time, 4:26 Character, Clear

Moonrise: 2:17 p

Sunset: Time, 7:09 p Character, Clear

Moonset: 5:00 a

Maximum velocities (exceeding 25 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
82	64	73	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10), 3

Actual sunshine, hours, 14.4 Possible sunshine, hours, 14.7

Per cent of possible sunshine, 98

Prevailing wind direction, N Total wind 217

Average hourly velocity, 9.0 Extreme velocity, 19

Maximum velocity, 17 Direction, NE

Time began, 11:27 a.m.

Reduced barometer, 30.05 7 a. m. 30.02 7 p. m.

River gage, 2.1 Feet

Relative humidity, 73 7 a. m. 48 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

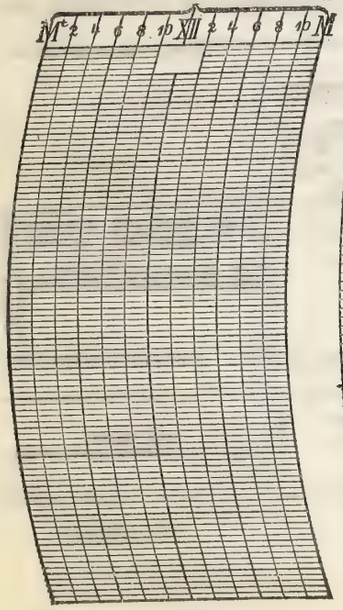
Dry temperature, 75.0 Wet temperature, 63.5

Dew-point, 57 R. humidity, 53 V. pressure, 1.63

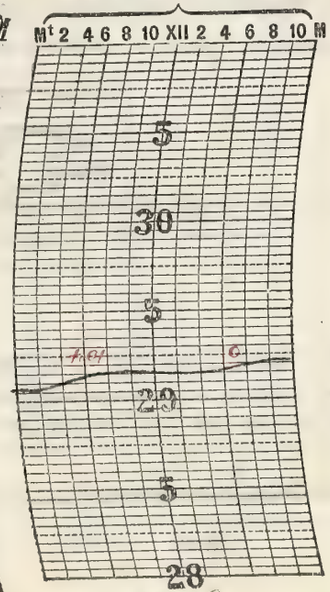
Clouds: Amount, 4; Kind, Cu; Direction, NE

Velocity of clouds (miles per hour)

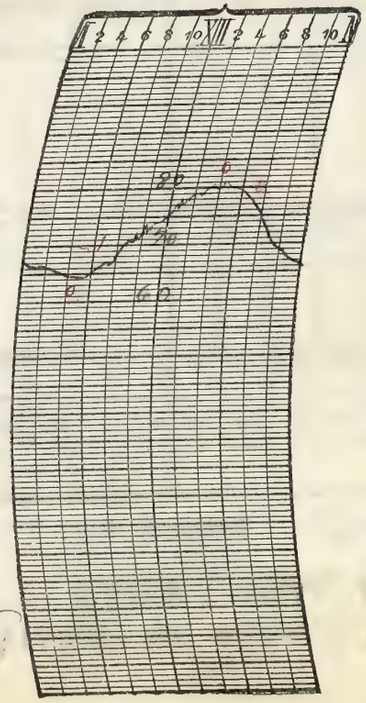
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A clear day with moderate temperatures and altogether very pleasant.

Prepared by

Verified by P. McHonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) ....., 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	63	63	61	59	59	61	64	69	72	75	76	78
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						←			Clear			
Sunshine (in tenths of hours)					.55 0	0.6 0.4	1.0	1.0	1.0	1.0	1.0	1.0
Wind direction	N	N	N	N	N	N	NE	NE	NE	E	NE	NE
Wind movement	4	6	6	5	6	5	6	6	8	8	6	7
Maximum velocities (exceeding 29 miles) direction and time												

Sunrise: Time, 4:27 Character, Clear. Moonrise: 2:50 P.

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	80	81	83	82	82	82	79	76	74	71	70	68
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	1.0	0.7 0.3	.13 0				
Wind direction	NE	NE	N	NE	NE	NE	NE	NE	NE	NE	NE	NE
Wind movement	8	7	8	8	8	7	5	5	6	5	4	5
Maximum velocities (exceeding 29 miles) direction and time												

Clear

Sunset: Time, 2:08 Character, Clear. Moonset: 6:05 a

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

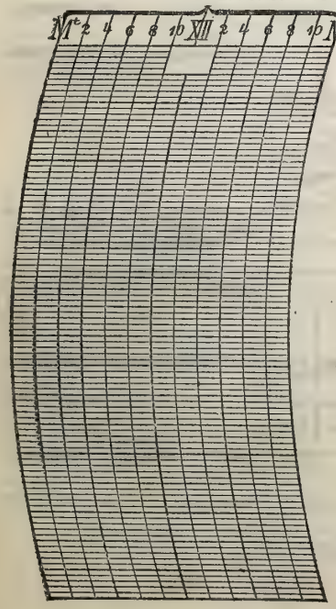
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
83	59	71	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, ...
Average daily cloudiness (0-10), 0
Actual sunshine, hours, 14.7 Possible sunshine, hours, 14.7
Per cent of possible sunshine, 100
Prevailing wind direction, NE Total wind 149
Average hourly velocity, 6.2 Extreme velocity, 12
Maximum velocity, 12 Direction, NE
Time began, 3:36 p.m.
Reduced barometer, 30.17 7 a. m. 30.13 7, p. m.
River gage, 2.0 Feet.
Relative humidity, 65 7 a. m. 29 7 p. m.

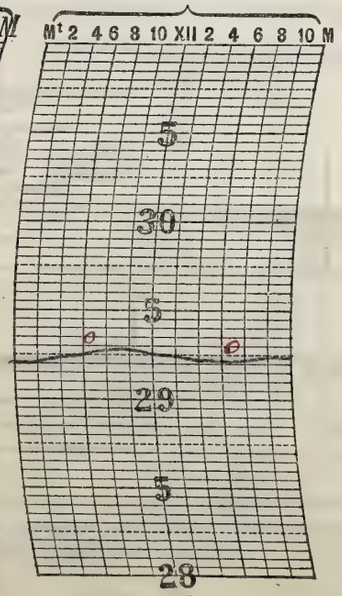
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 78.7 Wet temperature, 69.0
Dew-point, 44 R. humidity, 29 V. pressure, .287
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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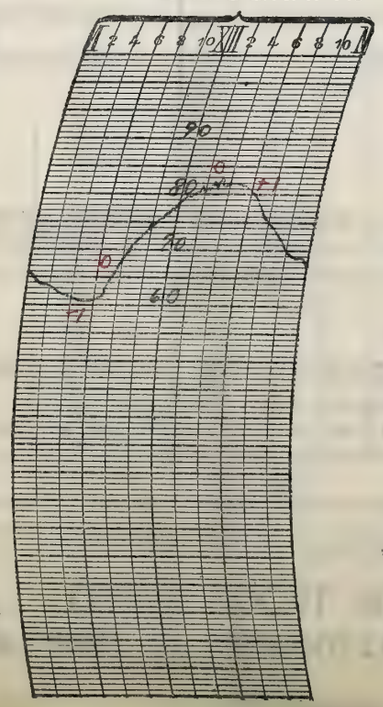


NOTES.

The minimum temperature this morning was the lowest recorded so far this month.

A clear, cool and balmy day, without a single cloud being visible in the sky at any time during the day-light hours or during the period of moonlight.

Prepared by .....
Verified by C. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) JUL 22 1910, 192

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	66	64	62	62	60	61	66	73	77	79	81	82	84	84	84	84	83	83	80	78	76	74	71	71
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						←		Clear				→			Pt Cloudy									
Sunshine (in tenths of hours)					.55 0	0.9 0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	0	0				
Wind direction	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	E	NE	E	E	NE	E	NE	NE	NE	NE	E	E	E	E
Wind movement	3	3	2	2	2	3	3	4	4	6	6	4	5	4	6	4	5	6	5	6	6	7	6	4
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 4:27 Character, Clear

Moonrise: 8:20 p

Sunset: Time, 7:02 Character, Cloudy

Moonset: 7:02 a

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
86	60	73	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt. Cloudy Moon phase,

Average daily cloudiness (0-10), 4

Actual sunshine, hours, 13.2 Possible sunshine, hours, 14.7

Per cent of possible sunshine, 90

Prevailing wind direction, NE Total wind 106

Average hourly velocity, 4.4 Extreme velocity, 10

Maximum velocity, 10 Direction, NE

Time began, 7:54 a.m.

Reduced barometer, 30.12 7 a. m. 30.07 7 p. m.

River gage, 1.2 Feet

Relative humidity, 62 7 a. m. 52 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

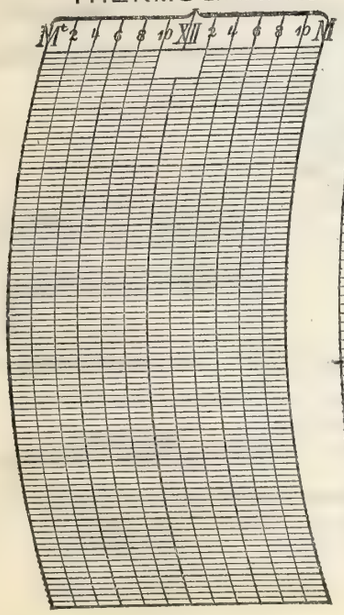
Dry temperature, 82.8 Wet temperature, 61.0

Dew-point, 45 R. humidity, 26 V. pressure, .298

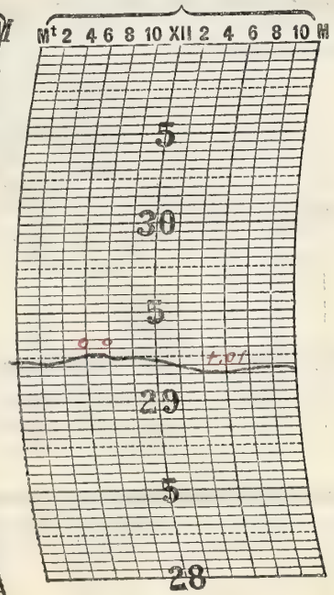
Clouds: Amount, 4; Kind, AST; Direction, W.

Velocity of clouds (miles per hour)

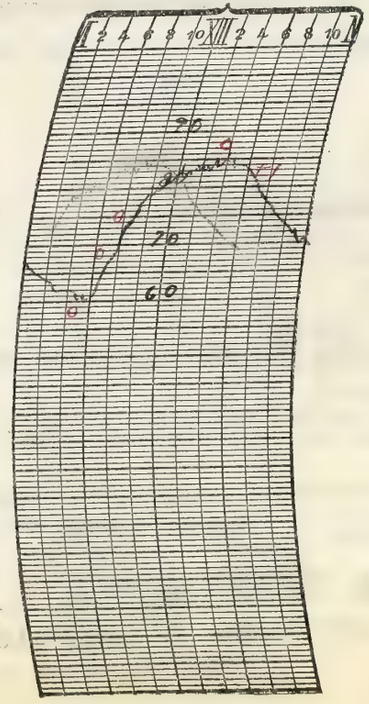
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A pleasantly cloudy day with moderate temperatures.

Prepared by C. W. S.

Verified by P. McDonough

8—186

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Worth, Tex., (Day of week) Saturday, (Date) July 27 1912, 192

Time (local standard). 90° mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	68	68	68	66	66	65	69	77	83	86	87	89	90	89	88	88	88	88	85	83	81	77	76	75
															HB 2:58	RF 3:05								
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation															T	T								
Cloudiness and other conditions						← Clear					→ Pt. Cloudy		→ Cloudy			→		Pt. Cloudy						

Sunrise: Time, 4:28 Character, Hazy. Moonrise: 8:49 p.

Sunset: Time, 7:06 Character, Cloudy. Moonset: 7:52 a

	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Sunshine (in tenths of hours)					0	0	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.6	0.8	0.4	0.3	0	0				
Wind direction	E	E	S	S	S	S	S	SW	SW	SW	SW	W	SW	SW	SW	S	S	S	S	S	S	S	S	S
Wind movement	3	3	3	2	3	6	6	6	6	7	6	7	8	11	10	6	6	5	2	5	7	8	6	6
Maximum velocities (exceeding 29 miles) direction and time																								

	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

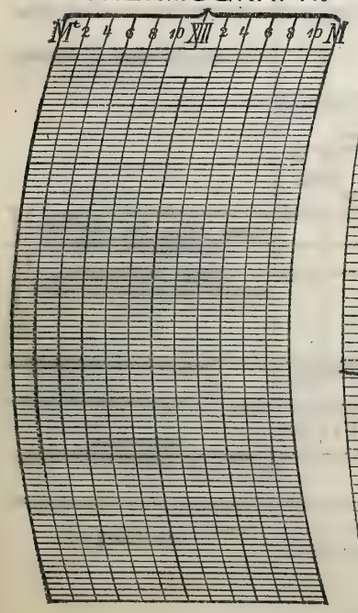
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
91	65	78	✓

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0–10), 4
Actual sunshine, hours, 9.8 Possible sunshine, hours, 14.6
Per cent of possible sunshine, 67
Prevailing wind direction, S Total wind 138
Average hourly velocity, 5.8 Extreme velocity, 15
Maximum velocity, 15 Direction, SW
Time began, 1:48 p.m.
Reduced barometer, 30.10 7 a. m. 30.07 7 p. m.
River gage, 1.9 Feet
Relative humidity, 60 7 a. m. 86 7 p. m.

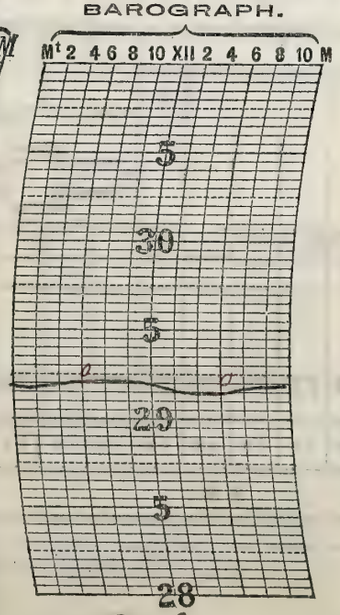
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 88.5 Wet temperature, 65.0
Dew-point, 50 R. humidity, 27 V. pressure, 360
Clouds: Amount, 5; Kind, Cu; Direction, SW
Velocity of clouds (miles per hour)

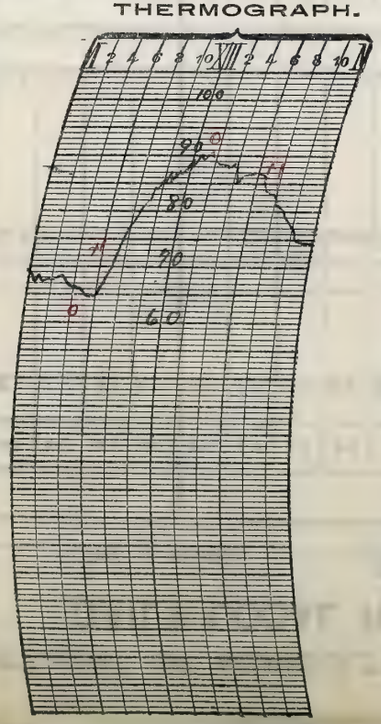
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Ht. Haze began – DNA.
Ht. Haze ended – 11:10 a.m.
A fairly cloudy day, with temperature a little high making it somewhat hot and muggy.

Prepared by C.O.S.
Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Pine Ridge, Ga., (Day of week) Sunday, (Date) JUL 24 1921, 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	74	73	70	70	69	69	71	74	77	83	83	87
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						<Cloudy	Cloudy	Cloudy	Cloudy	Cloudy	Cloudy	Cloudy
Sunshine (in tenths of hours)					0	0	0.5	1.0	0.5	1.0	1.0	1.0
Wind direction	S	S	S	SW	SW	SW	SW	SW	SW	W	NW	NW
Wind movement	8	8	7	5	6	5	6	6	5	6	5	4

Sunrise: Time, 4:29; Character, Cloudy. Moonrise: 9:18p.

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	90	91	91	91	91	90	88	83	80	78	76	75
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Pt. Cloudy											
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.6	0	0				
Wind direction	SW	SW	SW	SW	SW	S	SW	SW	SW	SW	SW	SW
Wind movement	5	8	7	8	5	7	6	8	7	8	9	9

Sunset: Time, 7:08; Character, Cloudy. Moonset: 8:56a

Maximum velocities (exceeding 30 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
92	69	80	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt. Cloudy Moon phase,

Average daily cloudiness (0-10), 6

Actual sunshine, hours, 10.6 Possible sunshine, hours, 14.6

Per cent of possible sunshine, 73

Prevailing wind direction, SW. Total wind 158

Average hourly velocity, 6.6 Extreme velocity, 10

Maximum velocity, 10 Direction, W.

Time began, 1:14 p.m.

Reduced barometer, 30.13 7 a. m. 30.07 7 p. m.

River gage, 1.9 Feet

Relative humidity, 64 7 a. m. 29 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

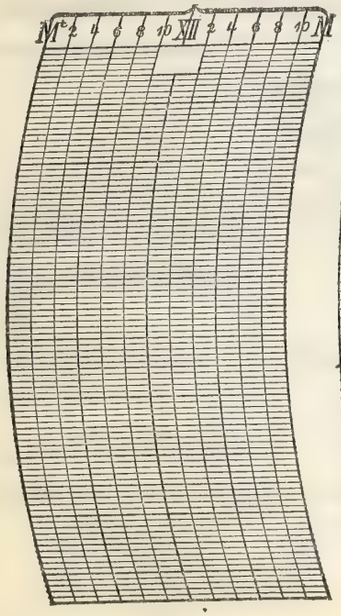
Dry temperature, 87.8 Wet temperature, 68.8

Dew-point, 69 R. humidity, 38 V. pressure, .499

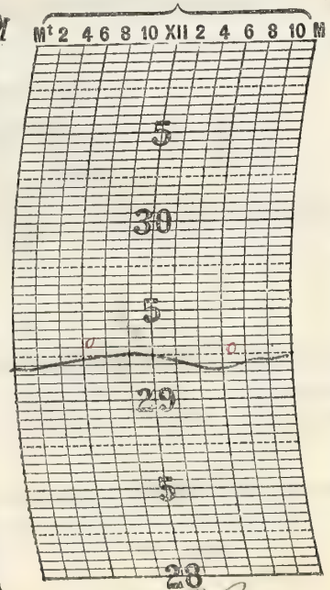
Clouds: Amount, 8; Kind, Ast; Direction, SW.

Velocity of clouds (miles per hour)

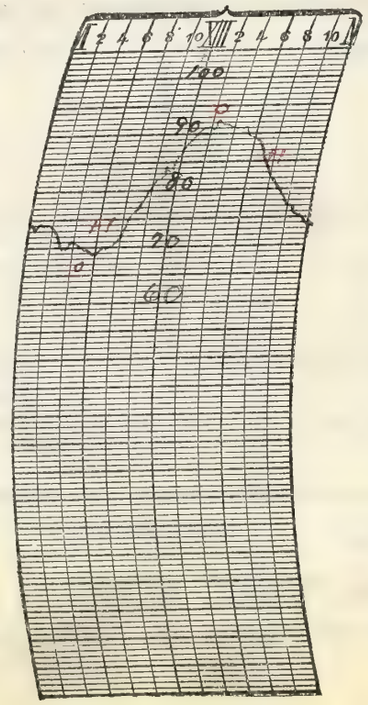
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A fairly cloudy and hot, sultry day. The heat being very oppressive.

Prepared by GCS

Verified by M. E. Kinney

8—480

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) JUL 24 1922, 192

Time (local standard). 90th mer. normal time.

A. M.	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	73	73	72	71	70	71	74	80	84	85	85	87
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Clear					→ Pt. Cldy	
Sunshine (in tenths of hours)					0	0	0.7	1.0	1.0	1.0	1.0	1.0
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	W	W	NW	NW
Wind movement	8	8	7	6	8	8	8	8	10	11	11	9

P. M.	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	90	82	81	86	85	86	83	81	79	78	77	75
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	→ Cloudy			→ Pt. Cloudy								
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	0.6	0.6	0	0				
Wind direction	W	S	S	SW	SW	SW	SW	S	S	SW	SW	S
Wind movement	7	15	14	14	12	8	8	8	11	9	11	8

State of weather.

Sunrise: Time, 4:30 Character, Cloudy
Moonrise: 9:47p.

Sunset: Time, 7:04 Character, Cloudy
Moonset: 9:53a

Maximum velocities (exceeding 22 miles) direction and time.

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts.

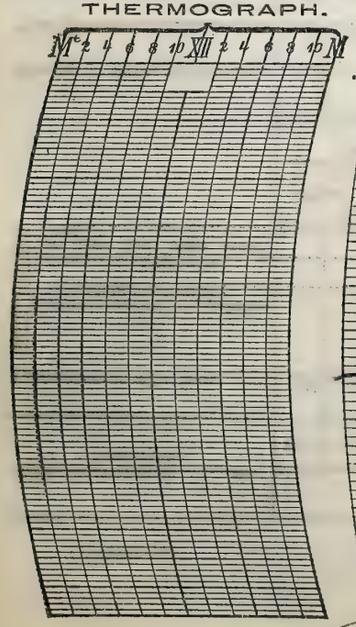
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
90	70	80	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0–10), 6
Actual sunshine, hours, 10.9 Possible sunshine, hours, 14.6
Per cent of possible sunshine, 75
Prevailing wind direction, SW Total wind 227
Average hourly velocity, 9.5 Extreme velocity, 24
Maximum velocity, 21 Direction, S
Time began, 1:46 p.m.
Reduced barometer, 30.19 7 a. m. 30.12 7 p. m.
River gage, 2.0 Fall
Relative humidity, 72 7 a. m. 56 7 p. m.

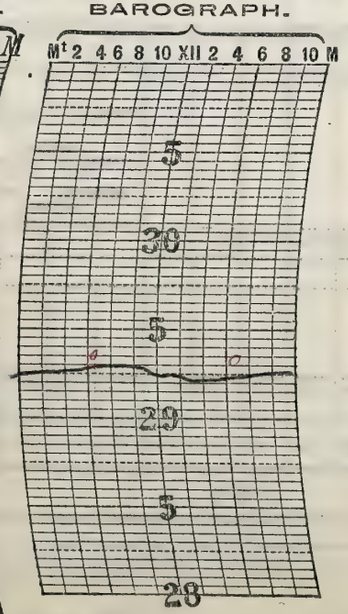
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 87.2 Wet temperature, 70.5
Dew-point, 63 R. humidity, 44 V. pressure, .575
Clouds: Amount, 5; Kind, StCu; Direction, W
Velocity of clouds (miles per hour)

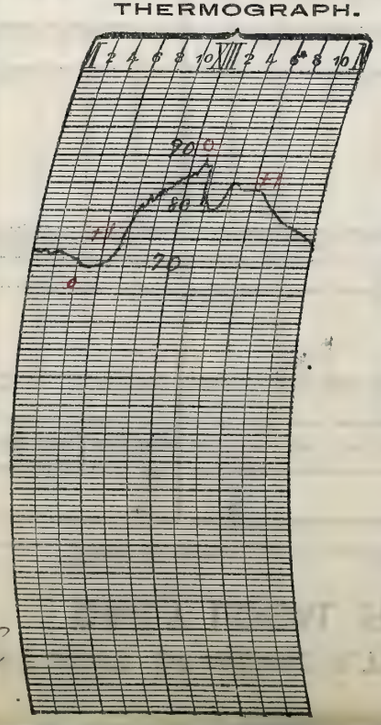
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A handy cloudy day with temperatures which caused it to be rather oppressive.

Prepared by C. C. S.
Verified by P. M. Dunnigh

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind, (Day of week) Tuesday, (Date) JUL 26 1921, 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	72	71	70	70	69	70	73	79	84	87	88	88
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						Pt. Cldy		Clear				
Sunshine (in tenths of hours)					0	0	0.7	1.0	1.0	1.0	1.0	1.0
Wind direction	S	S	S	SW	SW	SW	SW	SW	SW	W	W	SW
Wind movement	8	6	6	7	7	9	8	6	6	8	7	10

Sunrise: Time, 4:31 Character, Cloudy
Moonrise: 10:19p

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	84	87	88	85	83	84	83	80	79	77	76	75
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Pt. Cloudy					
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	1.0	0.2	0				
Wind direction	S	SW	SW	SW	SW	SW	SW	S	S	S	SW	SW
Wind movement	15	14	14	18	17	15	12	8	11	12	11	16

Sunset: Time, 7:03 Character, Cloudy
Moonset: 10:59a

Maximum velocities (exceeding 25 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

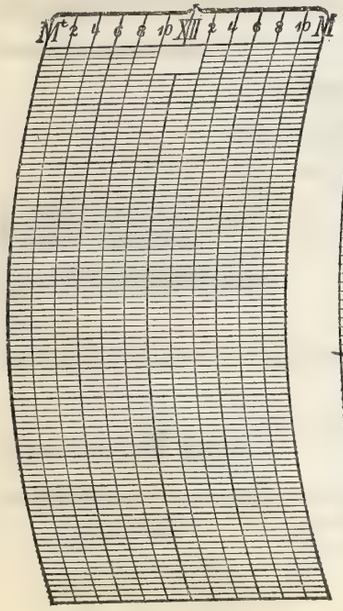
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
90	69	80	✓

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 11.9 Possible sunshine, hours, 14.3
Per cent of possible sunshine, 83
Prevailing wind direction, SW Total wind 246
Average hourly velocity, 10.2 Extreme velocity, 27
Maximum velocity, 27 Direction, SW
Time began, 3:51 p.m.
Reduced barometer, 30.19 7 a. m. 30.07 7 p. m.
River gage, 2.0 Feet
Relative humidity, 72 7 a. m. 51 7 p. m.

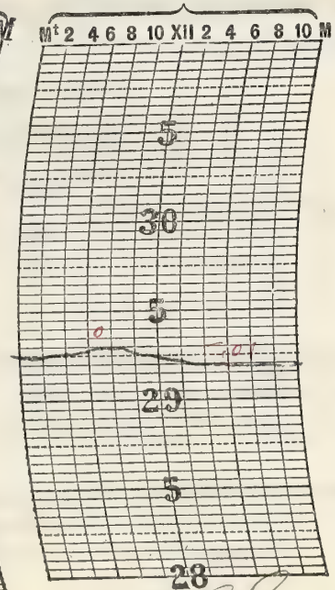
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 82.1 Wet temperature, 71.7
Dew-point, 64 R. humidity, 47 V. pressure, .595
Clouds: Amount, 8; Kind, Cu; Direction, NW.
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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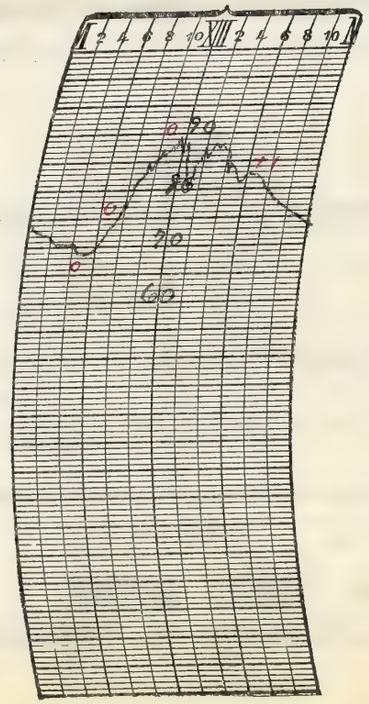


NOTES.

A fair day, cloudy and rather hot day.

Prepared by C. C. S.
Verified by P. McDonough

S—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) JUL 27 1921, 192

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	73	73	72	72	72	73	76	81	84	86	88	90	91	91	91	92	91	90	89	87	86	85	84	82
State of weather. Nature of precipitation and time of beginning and ending														RB 1:53 RE 1:52										
Amounts of precipitation														T										
Cloudiness and other conditions						← Cloudy			—	Pt. Cloudy					Pt. Cloudy									→
Sunrise: Time, Character,	4:32 Cloudy																							
Moonrise:	10:52p																							
Sunset: Time, Character,																					7:03 Cloudy			
Moonset:																					11:52a			
Sunshine (in tenths of hours)					0	0.2	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3 0.4	0				
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	11	9	10	11	11	10	13	14	16	17	21	20	23	25	26	24	24	22	16	11	11	12	11	12
Maximum velocities (exceeding 29 miles) direction and time															31 SW 2:46									

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

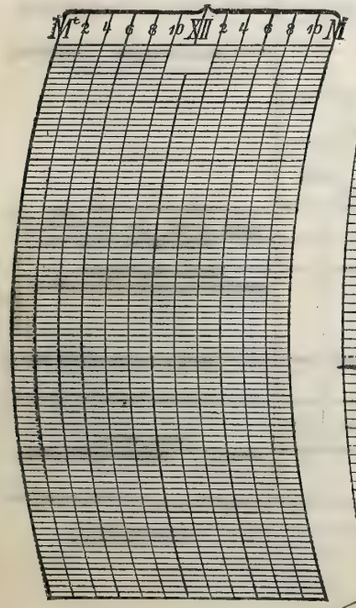
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
92	72	82	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt. Cloudy Moon phase, L. Q. 8:20p.
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 12.5 Possible sunshine, hours, 14.5
Per cent of possible sunshine, 86
Prevailing wind direction, SW Total wind 380
Average hourly velocity, 15.8 Extreme velocity, 32
Maximum velocity, 31 Direction, SW
Time began, 2:46 p.m.
Reduced barometer, 30.05 7 a. m. 29.92 7 p. m.
River gage, 1.9 Feet
Relative humidity, 74 7 a. m. 58 7 p. m.

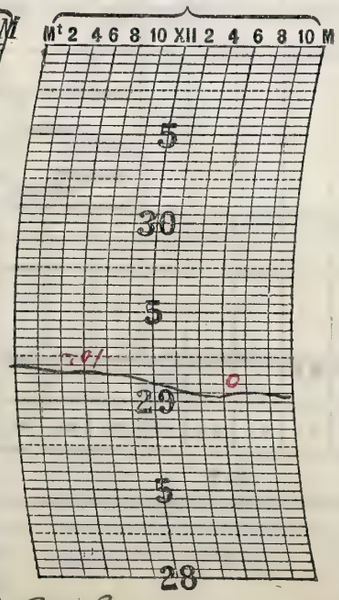
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 89.0 Wet temperature, 72.3
Dew-point, 65 R. humidity, 44 V. pressure, .616
Clouds: Amount, 7; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

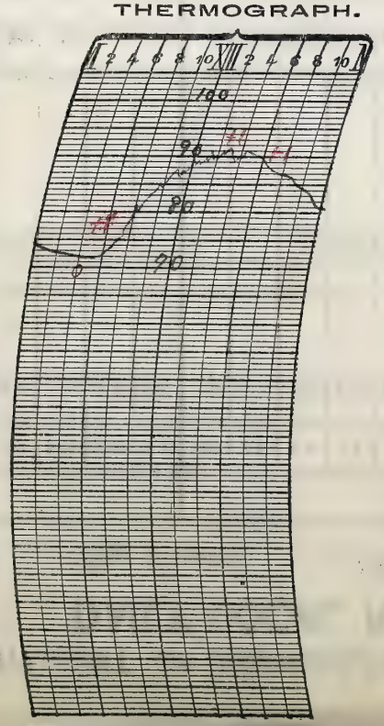
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A hardly cloudy and hot and somewhat sultry day.

Prepared by J. B.
Verified by J. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) JUL 28 1921, 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	79	79	78	77	76	78	79	82	86	87	89	90
State of weather: Nature of precipitation and time of beginning and ending	TB 12:30 TE 12:50											
Amounts of precipitation	.03											
Cloudiness and other conditions						← Clear					× Pt Cloudy	
Sunrise: Time, Character,	4:33 Clear											
Moonrise:	11:33 p											
Sunshine (in tenths of hours)					.45 0	0.6 0.4	1.0	1.0	1.0	1.0	1.0	1.0
Wind direction	SW	SW	SW	SW	SW	W	W	W	W	W	W	W
Wind movement	14	13	12	10	7	7	10	9	9	14	13	15
Maximum velocities (exceeding 58 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	90	89	88	88	87	85	83	80	78	78	77	76
State of weather: Nature of precipitation and time of beginning and ending											TB 10:25 TE 10:43	
Amounts of precipitation											T	
Cloudiness and other conditions					Cloudy							
Sunset: Time, Character,									7:02 Cloudy			
Moonset:									12:54 p			
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	0.9	0	0	0				
Wind direction	W	W	NW	NW	NW	N	N	N	N	N	NW	N
Wind movement	14	14	12	12	11	9	7	5	4	3	4	3
Maximum velocities (exceeding miles) direction and time												

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
90	75	82	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .03 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, .03 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 12.4 Possible sunshine, hours, 14.5
Per cent of possible sunshine, 86
Prevailing wind direction, W. Total wind 231
Average hourly velocity, 9.6 Extreme velocity, 24
Maximum velocity, 22 Direction, SW.
Time began, 12:38 a.m.
Reduced barometer, 29.922 a. m. 29.89 7 p. m.
River gage, 1.9 Feet
Relative humidity, 68 7 a. m. 43 7 p. m.

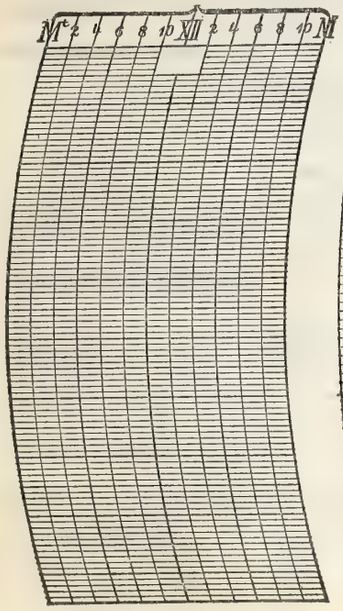
Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

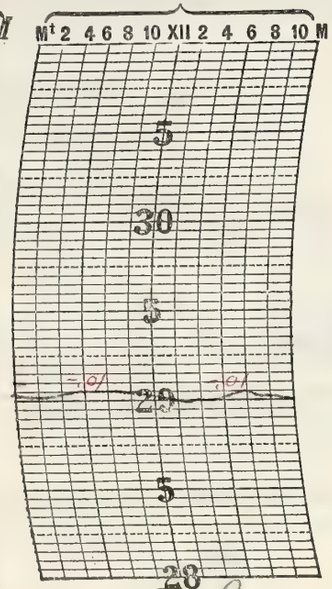
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 89.7 Wet temperature, 69.0
Dew-point, 58 R. humidity, 55 V. pressure, .482
Clouds: Amount, 9; Kind, Ast; Direction, W.
Velocity of clouds (miles per hour)

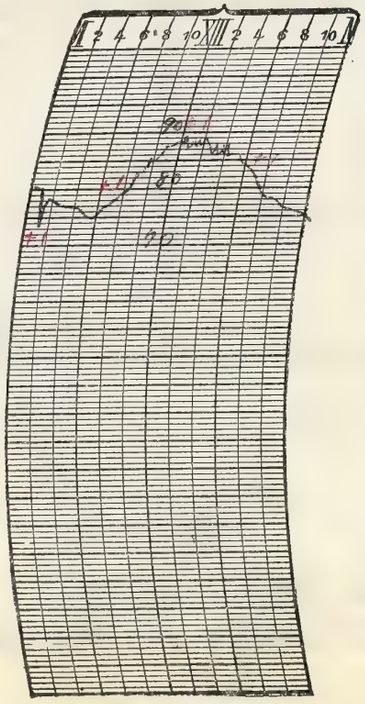
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A light thunderstorm commenced at 12:15 a.m., and ended at 12:55 a.m.

A fairly cloudy and rather warm day.

Prepared by CES

Verified by C. M. Donough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) July 13 1917, 192

Time (local standard). 90" mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	74	72	70	69	68	68	69	68	70	72	76	78
Nature of precipitation and time of beginning and ending	RB 12:05				RE DNA	RB 5:45		RE 7:08	RB 8:12 RE 8:19			
Amounts of precipitation	T	.04	.03	.05	T	.03	.03	T	T			
Cloudiness and other conditions						← Cloudy			→			
Sunshine (in tenths of hours)					0	0	0	0	0	0	0.8	1.0
Wind direction	N	N	SW	SW	W	N	N	N	N	N	N	NW
Wind movement	2	3	4	3	3	4	3	2	3	1	3	4

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	81	81	83	82	82	81	81	78	77	75	74	73
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						Pt. Cloudy →						
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.7	0	0				
Wind direction	NW	SW	SW	W	W	W	W	W	W	W	W	W
Wind movement	6	8	9	8	7	8	4	4	4	2	2	4

State of weather.

Sunrise: Time, 4:34 Character, Cloudy

Moonrise:

Sunset: Time, 7:01 Character, Cloudy

Moonset: 1:57 p

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
83	67	75	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .16 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, .18 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10), 8

Actual sunshine, hours, 2.5 Possible sunshine, hours, 14.4

Per cent of possible sunshine, 52

Prevailing wind direction, W. Total wind 10.3

Average hourly velocity, 4.3 Extreme velocity, 12

Maximum velocity, 12 Direction, SW

Time began, 2:13 p.m.

Reduced barometer, 29.20 7 a. m. 29.82 7 p. m.

River gage, 2.0 Feet.

Relative humidity, 92 7 a. m. 56 7 p. m.

Maximum velocities (exceeding 29 miles) direction and time.

Excessive precipitation, accumulated amounts

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

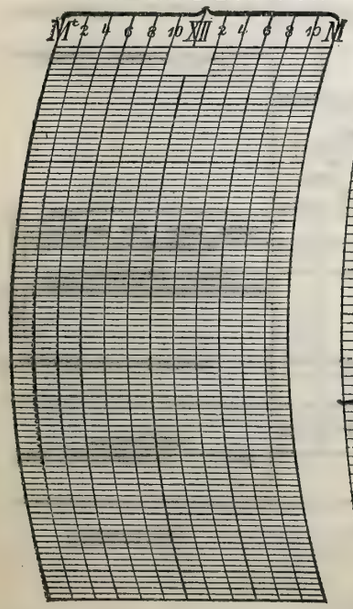
Dry temperature, 77.8 Wet temperature, 68.0

Dew-point, 63 R. humidity, 61 V. pressure, .575

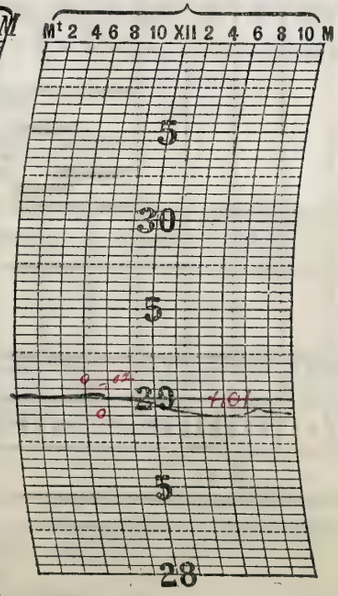
Clouds: Amount, 3; Kind, Ac Cu; Direction, NW

Velocity of clouds (miles per hour)

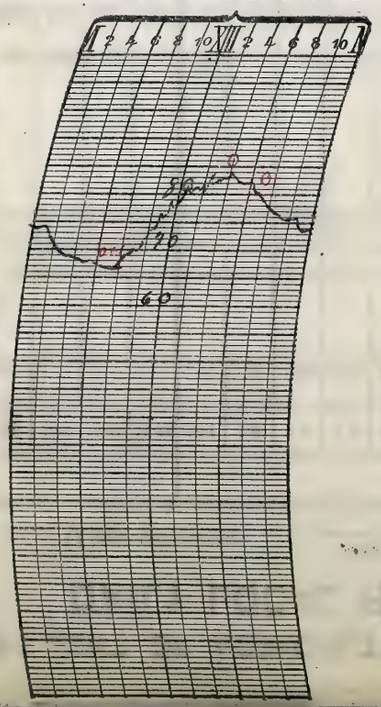
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

a cloudy and moderately cool and comfortable day

Prepared by E.C.S.

Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) JUL 30 1910, 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	72	70	69	68	68	70	73	78	83	83	86	88
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	← Clear →											
Sunshine (in tenths of hours)					42 0	0.8 0.2	1.0	1.0	1.0	1.0	1.0	1.0
Wind direction	NW	W	W	SW	SW	SW	SW	SW	SW	SW	W	W
Wind movement	7	5	4	6	6	7	6	6	8	12	12	13

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	89	88	90	90	89	87	85	83	78	68 RB 9:03	70 RIE DNP	72
Nature of precipitation and time of beginning and ending												
Amounts of precipitation										24	T	
Cloudiness and other conditions	← Pt. Cloudy →				← Clear →				← Clear Cloudy →			
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	1.0	0.4					
Wind direction	W	W	W	W	W	W	SW	SW	SW	N	SW	W
Wind movement	11	12	15	13	14	13	10	11	12	16	8	7

Sunrise: Time, 4:35; Character, Clear. Moonrise: 12:16 a

Sunset: Time, 7:00; Character, Cloudy. Moonset: 2:59 p

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
90	67	78	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, .24 inches.

Character of day, Clear. Moon phase,

Average daily cloudiness (0-10), 3

Actual sunshine, hours, 13.5. Possible sunshine, hours, 14.4

Per cent of possible sunshine, 94

Prevailing wind direction, W. Total wind 228

Average hourly velocity, 9.5. Extreme velocity, 27

Maximum velocity, 26. Direction, N.

Time began, 9:11 p.m.

Reduced barometer, 29.85 7 a. m. 29.76 7 p. m.

River gage, 2.0 Feet.

Relative humidity, 83 7 a. m. 44 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

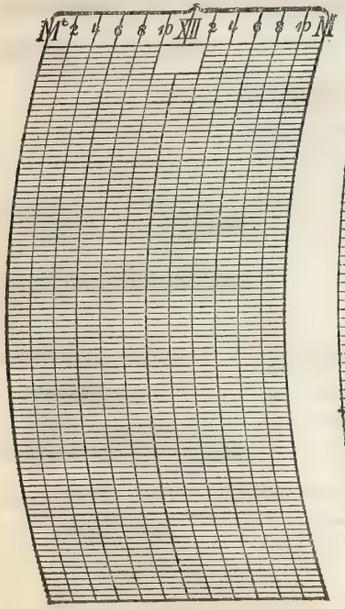
Dry temperature, 85.0. Wet temperature, 70.0

Dew-point, 63. R. humidity, 48. V. pressure, .575

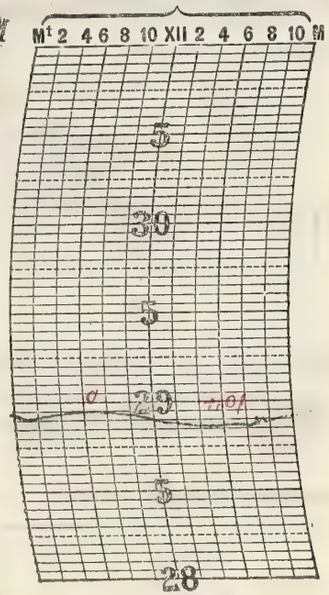
Clouds: Amount, 4; Kind, Cu; Direction, NW.

Velocity of clouds (miles per hour)

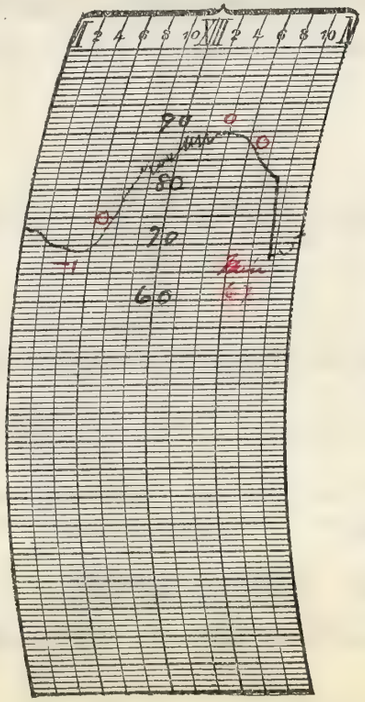
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A fair clear day with moderately high temperature.

A thunderstorm commenced at 9:02 p.m., moved from the northwest and ended D.N.P. It was of moderate intensity and accompanied by light precipitation.

Prepared by C.C.S.

Verified by C. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) [illegible], 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	70	69	68	67	66	67	68	68	68	70	70	71
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Clear → Pt. Cloudy →						
Sunshine (in tenths of hours)					.40 0	0.3 0.7	1.0	1.0	1.0	1.0	1.0	1.0
Wind direction	NW	NW	NW	NW	NW	N	N	N	N	N	N	N
Wind movement	8	8	8	8	8	9	12	13	11	11	12	10

Sunrise: Time, 4:36 Character, Clear. Moonrise: 1:09a

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	72	74	74	75	75	74	74	70	67	64	64	61
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	1.0	.48 0.5					
Wind direction	NW	NW	NW	NW	N	N	NW	NW	NW	NW	N	N
Wind movement	10	7	9	11	7	7	4	4	3	6	5	4

Sunset: Time, 6:59 Character, Clear. Moonset: 4:00p

Maximum velocities (exceeding 29 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

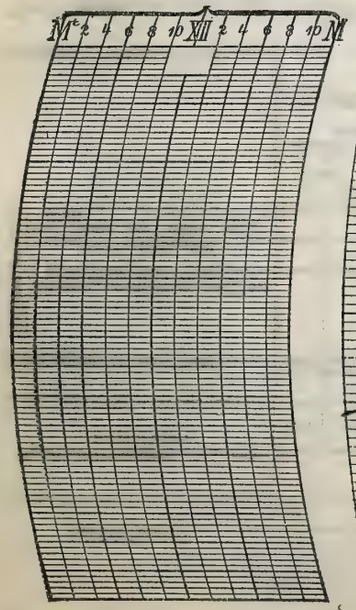
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
76	61	68	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .24 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 14.4 Possible sunshine, hours, 14.4
Per cent of possible sunshine, 100
Prevailing wind direction, NW Total wind 194
Average hourly velocity, 8.1 Extreme velocity, 17
Maximum velocity, 16 Direction, N
Time began, 7:17 a.m.
Reduced barometer, 29.99 7 a. m. 30.06 7 p. m.
River gage, 1.9 Feet.
Relative humidity, 72 7 a. m. 48 7 p. m.

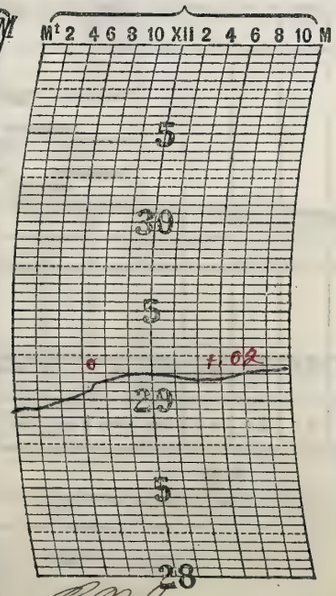
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 71.3 Wet temperature, 59.3
Dew-point, 57 R. humidity, 48 V. pressure, .323
Clouds: Amount, ; Kind, Cu.; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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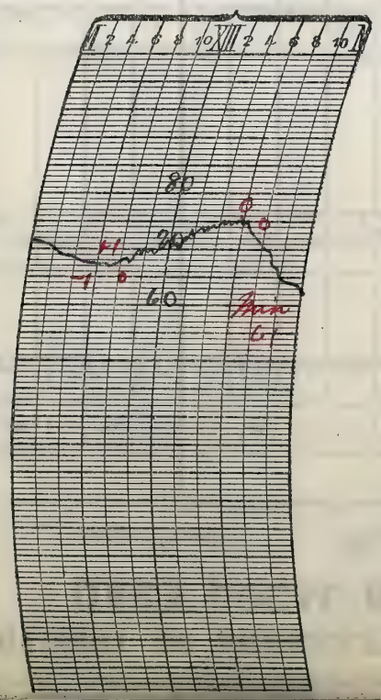


NOTES.

A pretty cloudy day with moderate temperatures.

Prepared by [illegible]
Verified by P. M. Emmert

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) Aug 1 1910, 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	60	60	59	59	60	62	64	67	68	73	76	76	77	77	77	74	68	66	64	64	64	64	63	61
State of weather: Nature of precipitation and time of beginning and ending										RB 9:35 RE 9:43								RB 5:20						
Amounts of precipitation										T								.07	.01	.04	.01	.06	.15	.06
Cloudiness and other conditions						← Cloudy							× Pl. Cloudy				Cloudy					→		
Sunshine (in tenths of hours)					0	0	0.1	0.5	0	0	0.8	1.0	1.0	1.0	1.0	0.7	0	0	0					
Wind direction	N	N	N	N	NE	NE	SE	S	S	SE	S	SE	E	E	E	E	NE	NE	NE	NE	E	E	E	NE
Wind movement	3	4	4	2	2	1	5	4	4	2	5	5	6	7	5	9	10	11	12	11	13	13	13	11

Sunrise: Time, 4:37 Character, Cloudy
Moonrise: 2:09a
Sunset: Time, 6:57 Character, Cloudy
Moonset: 4:57p

Maximum velocities (exceeding 29 miles) direction and time

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

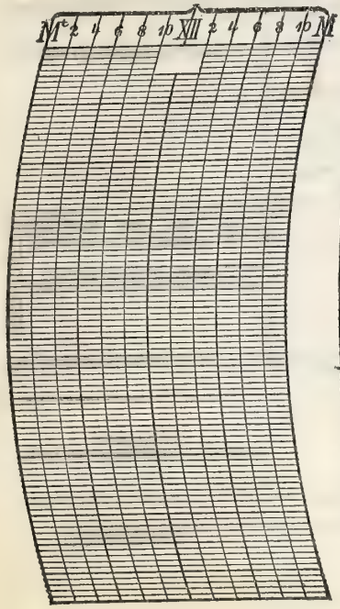
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
79	59	69	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0.7 ins.
Total precipitation, midnight to midnight, .40 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 6.1 Possible sunshine, hours, 14.3
Per cent of possible sunshine, 43
Prevailing wind direction, NE, E Total wind 162
Average hourly velocity, 6.8 Extreme velocity, 20
Maximum velocity, 18 Direction, E
Time began, 10:18 p.m.
Reduced barometer, 30.14 7 a. m. 30.04 7 p. m.
River gage, 2.0 Feet
Relative humidity, 62 7 a. m. 75 7 p. m.

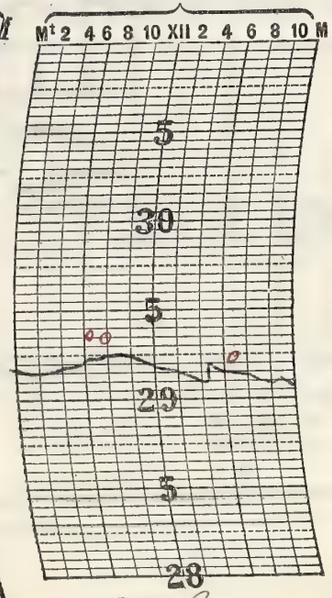
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 74.6 Wet temperature, 58.1
Dew-point, 46 R. humidity, 36 V. pressure, .310
Clouds: Amount, 8; Kind, Ast; Direction, W
Velocity of clouds (miles per hour)

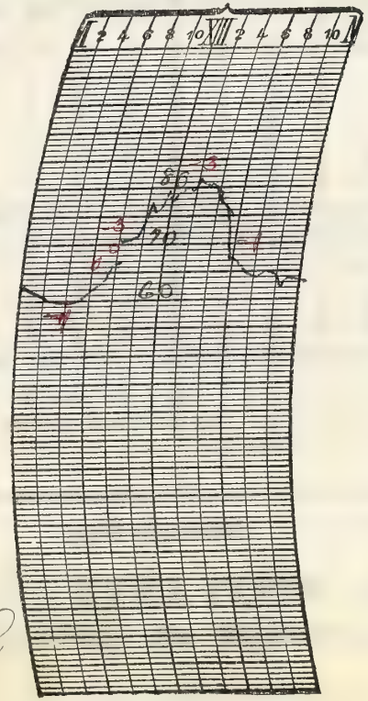
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A cloudy day with moderate temperature and a light shower in the morning. Slight rain commenced in the late afternoon and continued throughout the night.

Prepared by CCS
Verified by P. M. Donough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) _____, (Date) _____, 192

Time (local standard) 90 mer, normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	61	61	60	59	59	59	59	59	60	60	61	62
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation	.04	.24	.52	.21	.09	.04	.01	.04	.05	.12	.02	.01
Cloudiness and other conditions						← Cloudy						
Sunrise: Time, Character,	4:38 Cloudy											
Moonrise:	3:16 a.											
Sunshine (in tenths of hours)					0	0	0	0	0	0	0	0
Wind direction	E	E	NE	E	E	E	E	E	E	NE	NE	E
Wind movement	12	14	14	16	14	10	12	9	8	7	9	7

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	62	63	63	63	63	62	62	62	62	62	62	62
State of weather: Nature of precipitation and time of beginning and ending										9:17 E		
Amounts of precipitation	.10	T	.09	.07	.01	T	.03	.01	.01	T		
Cloudiness and other conditions					Cloudy →							
Sunset: Time, Character,									6:56 Cloudy			
Moonset:									5:48 p.			
Sunshine (in tenths of hours)	0	0	0	0	0	0	0					
Wind direction	E	E	E	NE	NE	NE	NE	NE	NE	NE	NE	NE
Wind movement	6	6	5	7	9	9	7	6	8	12	11	8

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
63	58	60	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m. 1.48 ins.; to 7 p. m., 2.54 ins.
Total precipitation, midnight to midnight, 2.71 inches.
Character of day, Cloudy Moon phase, _____
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 14.3
Per cent of possible sunshine, 0
Prevailing wind direction, NE x E Total wind 226
Average hourly velocity, 9.4 Extreme velocity, 21
Maximum velocity, 19 Direction, E
Time began, 4:08 a.m.
Reduced barometer, 29.82 7 a. m. 29.97 3 p. m.
River gage, 3.1 Fall
Relative humidity, 94 7 a. m. 94 3 p. m.

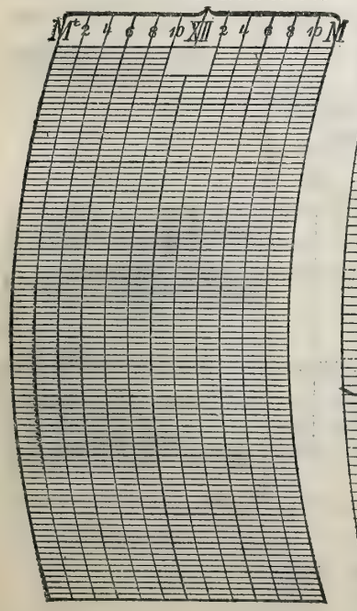
	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

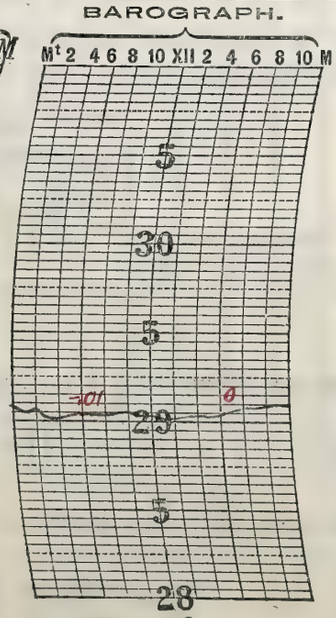
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 61.2 Wet temperature, 60.0
Dew-point, 59 R. humidity, 93 V. pressure, .499
Clouds: Amount, 10; Kind, Nb; Direction, E
Velocity of clouds (miles per hour) _____

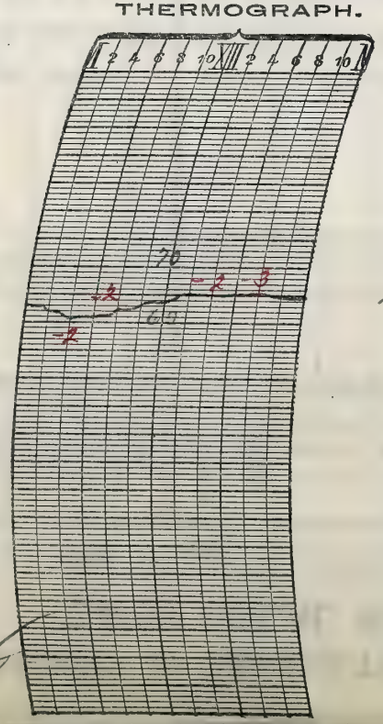
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The rain which commenced in the late afternoon of the first continued throughout the night.

A cloudy and cool day with almost continuous light rain falling.

The rain of the past 28 hours which ended at 9:17 p.m. this date was exceedingly beneficial to the crops which, due to lack of moisture were burning up especially corn and late potatoes

Prepared by _____
Verified by P. M. Donough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) _____, 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	62	62	62	63	63	63	64	67	69	72	74	76
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Pt. Cloudy			Clear		
Sunshine (in tenths of hours)					0	0	0.4	1.0	1.0	1.0	1.0	1.0
Wind direction	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
Wind movement	7	8	8	9	6	9	8	12	14	14	12	12
Maximum velocities (exceeding 29 miles) direction and time												

Sunrise: Time, 4:39 Character, Cloudy
Moonrise: 4:28a

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	77	77	78	78	77	75	74	71	69	68	66	65
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions			Clear									
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	1.0	.62 0.3					
Wind direction	NE	NE	NE	N	N	N	NE	NE	NE	O	NE	NE
Wind movement	11	11	10	10	9	8	7	4	3	0	1	1

Sunset: Time, 6:35 Character, Clear
Moonset: 6:34p

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

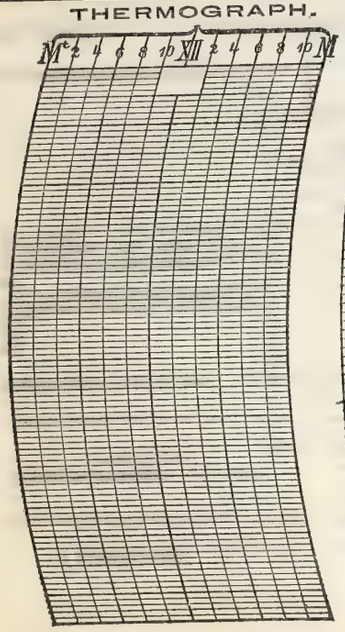
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
78	62	70	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .02 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase New 2:18 p.m.
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 12.3 Possible sunshine, hours, 14.3
Per cent of possible sunshine, 86
Prevailing wind direction, NE Total wind 194
Average hourly velocity, 8.1 Extreme velocity, 19
Maximum velocity, 17 Direction, NE
Time began, 8:02 a.m.
Reduced barometer, 30.08 7 a. m. 30.15 7 p. m.
River gage, 3.0 Feet
Relative humidity, 84 7 a. m. 47 7 p. m.

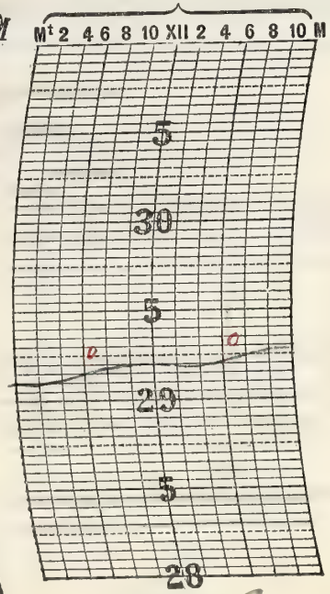
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 75.3 Wet temperature, 59.0
Dew-point, 47 R. humidity, 37 V. pressure, 1.323
Clouds: Amount, Few; Kind, Cu; Direction, NE
Velocity of clouds (miles per hour)

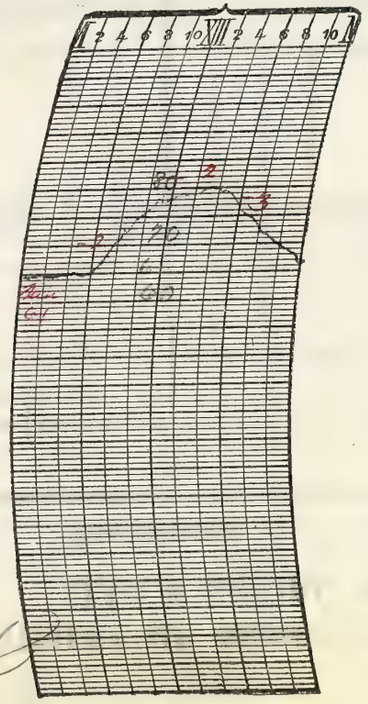
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A clear and cool day and very pleasant

Prepared by J. M. C. Smith

Verified by _____

8—186

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) [illegible], 192

Time (local standard). 90 mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	63	62	61	60	60	63	68	71	75	76	79	79
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Clear						
Sunshine (in tenths of hours)					33 0	0.7 0.3	1.0	1.0	1.0	1.0	1.0	1.0
Wind direction	NE	NE	NE	NE	NE	0	NE	NE	SE	SE	SE	SE
Wind movement	1	1	1	2	4	0	1	4	3	5	6	5

Sunrise: Time, 4:40; Character, Clear. Moonrise: 5:42 a.

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	80	82	82	80	79	79	77	73	71	70	69	68
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions									Pt. Cloudy →			
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.9	0.6	0.4	0					
Wind direction	SE	E	S	SE	SE	SE	SE	SE	E	SE	SE	SE
Wind movement	5	6	4	5	4	3	3	4	6	5	7	4

Sunset: Time, 6:54; Character, Cloudy. Moonset: 9:16 p.

Maximum velocities (exceeding 29 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts.

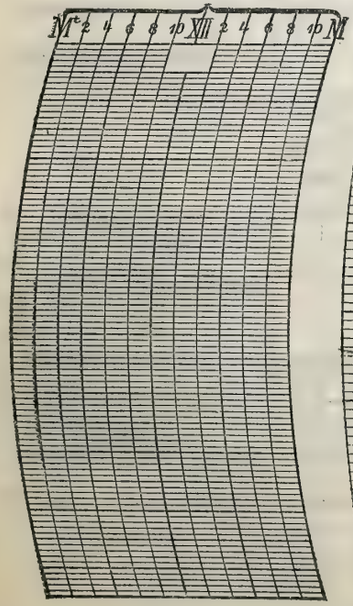
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
83	60	72	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 12.2 Possible sunshine, hours, 14.2
Per cent of possible sunshine, 86
Prevailing wind direction, SE Total wind 89
Average hourly velocity, 3.7 Extreme velocity, 9
Maximum velocity, 9 Direction, SE
Time began, 11:15 a.m.
Reduced barometer, 30.25 7 a. m. 30.11 7 p. m.
River gage, 2.4 feet
Relative humidity, 72 7 a. m. 44 7 p. m.

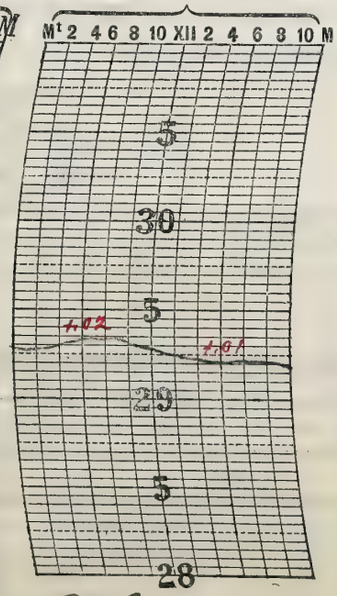
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 79.9 Wet temperature, 61.0
Dew-point, 48 R. humidity, 32 V. pressure, .334
Clouds: Amount, 1; Kind, Cu; Direction, N.
Velocity of clouds (miles per hour)

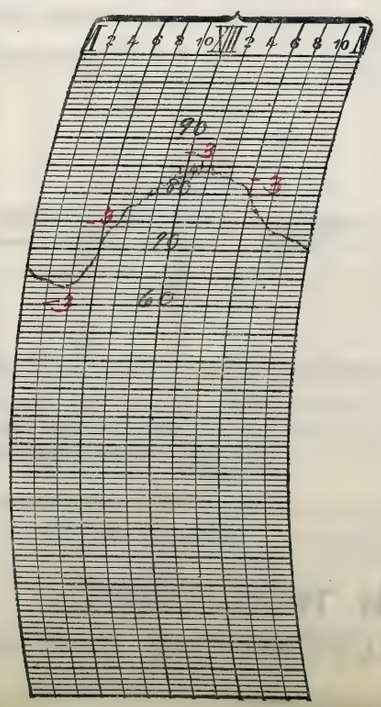
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A heavy deposit of dew was observed on the ground that morning and on the roofs of buildings surrounding the office. A clear day with moderate temperatures.

Prepared by } COS
Verified by }

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind, (Day of week) Friday, (Date) 6th, 192

Time (local standard). 90 mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	66	64	63	61	61	62	64	71	75	78	79	80
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						←		Pt. Cloudy				—
Sunshine (in tenths of hours)					0	0	0.5	1.0	1.0	1.0	1.0	1.0
Wind direction	SE	SE	SE	SE	E	E	E	SE	SE	SE	SE	SE
Wind movement	5	3	4	4	5	4	5	3	4	5	4	6

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	81	83	83	83	83	81	80	77	75	74	73	72
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					Pt. Cloudy		×	Clear				→
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.5	0					
Wind direction	SE	SE	SW	SW	S	S	SE	SE	SE	S	S	S
Wind movement	6	6	6	6	4	5	6	5	6	6	6	6

Sunrise: Time, 4:41 Character, Cloudy
Moonrise: 6:56a

Sunset: Time, 6:53 Character, Cloudy
Moonset: 7:35p

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.

Excessive precipitation, accumulated amounts

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

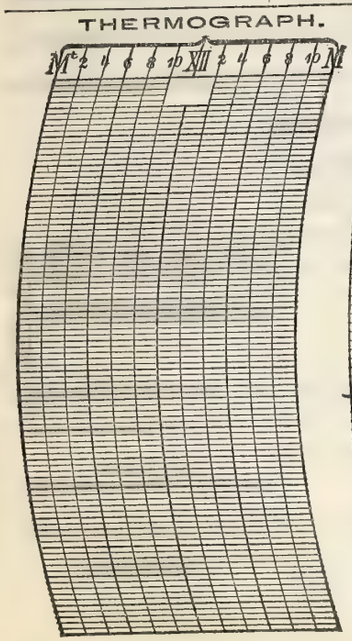
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
85	61	75	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 11.0 Possible sunshine, hours, 14.2
Per cent of possible sunshine, 77
Prevailing wind direction, SE Total wind 120
Average hourly velocity, 5.0 Extreme velocity, 9
Maximum velocity, 9 Direction, SE
Time began, 1:34 p.m.
Reduced barometer, 29.06 7 a. m. 29.20 7 p. m.
River gage, 2.3 Feet
Relative humidity, 72 7 a. m. 42 7 p. m.

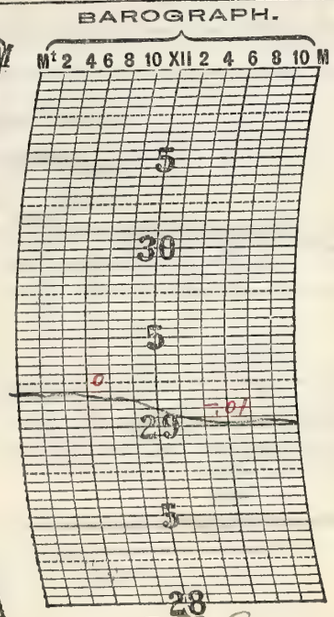
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 79.5 Wet temperature, 64.0
Dew-point, 54 R. humidity, 42 V. pressure, 41.7
Clouds: Amount, 5; Kind, Cu; Direction, SE
Velocity of clouds (miles per hour)

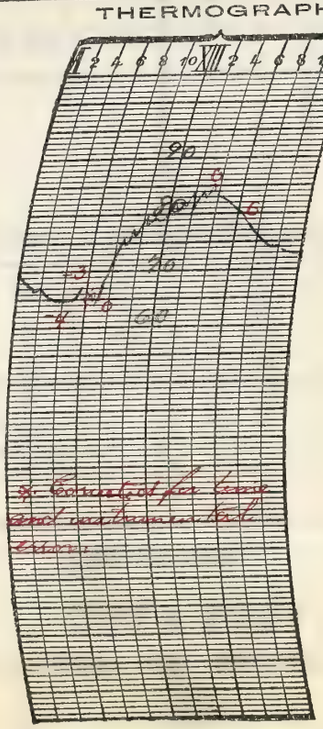
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A fairly cloudy day with moderate temperature, though somewhat higher than the previous day.

Prepared by
Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Saturday, (Date) July 1, 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	71	70	70	70	70	69	73	78	83	86	86	85
State of weather. Nature of precipitation and time of beginning and ending						RB 5:43	RE 6:25					
Amounts of precipitation						T	.10					
Cloudiness and other conditions						← Cloudy →	Pl Cldy →	Clear →	Pl Cldy →			

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	84	81	81	82	82	81	78	74	71	70	69	69
Cloudiness and other conditions	← Cloudy →			← Pl. Cloudy →			← Clear →					

Sunrise: Time, 4:42 Character, Cloudy. Moonrise: 8:09 a.

Sunset: Time, 6:33 Character, Clear. Moonset: 8:31 p.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)					0	0	0	0.7	1.0	1.0	1.0	1.0
Wind direction	S	S	S	S	S	S	S	S	SW	SW	SW	W
Wind movement	6	8	6	7	7	10	14	12	17	15	19	17
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)	1.0	1.0	0.2	0.4	0.7	1.0	.57 0.3					
Wind direction	W	W	NW	W	NW	NW	W	NW	SW	SW	SW	SW
Wind movement	15	17	14	12	11	8	6	5	6	8	8	8
Maximum velocities (exceeding 29 miles) direction and time												

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

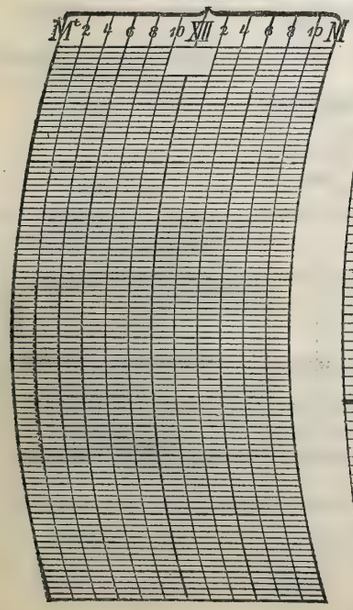
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
87	69	78	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .10 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, .10 inches.
Character of day, Pl. Cloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 9.9 Possible sunshine, hours, 14.2
Per cent of possible sunshine, 70
Prevailing wind direction, S Total wind 256
Average hourly velocity, 10.7 Extreme velocity, 26
Maximum velocity, 25 Direction, SW
Time began, 10:46 a.m.
Reduced barometer, 29.85 7 a. m. 29.80 7 p. m.
River gage, 2.4 Feet
Relative humidity, 86 7 a. m. 43 7 p. m.

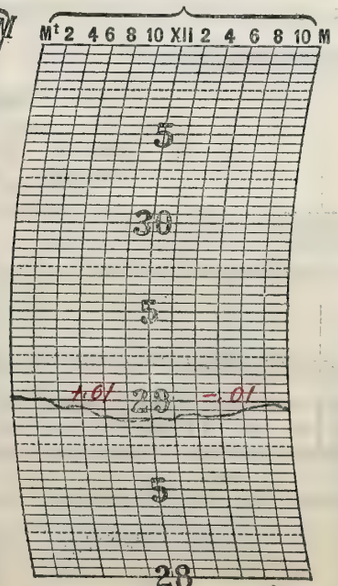
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 86.0 Wet temperature, 74.2
Dew-point, 69 R. humidity, 58 V. pressure, .707
Clouds: Amount, 4; Kind, Strat; Direction, W
Velocity of clouds (miles per hour)

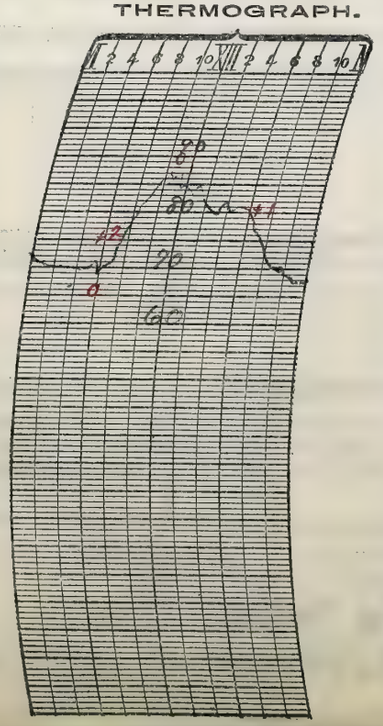
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A fairly cloudy and rather warm day with moderate southerly winds.

A thunderstorm moving from the west and accompanied by light rain commenced at 5:30 a.m. and ended at 7:15 a.m.

Prepared by } C. C. S.
Verified by }

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) AUG 7 1910, 192

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	67	65	65	64	63	63	67	67	70	70	72	73
State of weather: Nature of precipitation and time of beginning and ending									RB 8:00 RP 8:10			
Amounts of precipitation												
Cloudiness and other conditions						← Clear	RB	Cloudy				
Sunshine (in tenths of hours)					.28 0	0.6 0.4	0.3	0	0.3	0.3	0.3	1.0
Wind direction	W	W	SW	SW	SW	W	W	W	W	W	W	W
Wind movement	4	5	7	4	5	5	6	7	7	7	9	11

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	73	75	75	76	76	73	70	67	65	63	62	62
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions		×	Pt. Cloudy ×				Clear →					
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.2 .85	0					
Wind direction	W	W	W	W	W	NW	NW	NW	NW	NW	NW	NW
Wind movement	13	13	14	15	17	11	10	8	8	6	6	4

Sunrise: Time, 4:43 Character, Clear

Moonrise: 9:18 a.

Sunset: Time, 6:54 Character, Clear

Moonset: 9:07 p.

Maximum velocities (exceeding 99 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
77	62	70	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10), 8

Actual sunshine, hours, 10.2 Possible sunshine, hours, 14.1

Per cent of possible sunshine, 72

Prevailing wind direction, W Total wind 202

Average hourly velocity, 8.4 Extreme velocity, 23

Maximum velocity, 12 Direction, W

Time began, 4:05 p.m.

Reduced barometer, 29.90 7 a. m. 29.91 7 p. m.

River gage, 2.3 Feet

Relative humidity, 67 7 a. m. 42 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

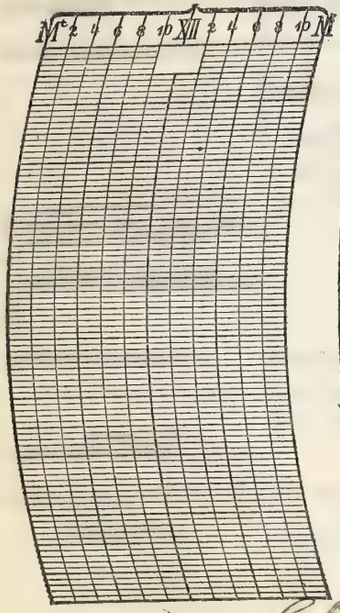
Dry temperature, 71.6 Wet temperature, 59.0

Dew-point, 50 R. humidity, 42 V. pressure, 360

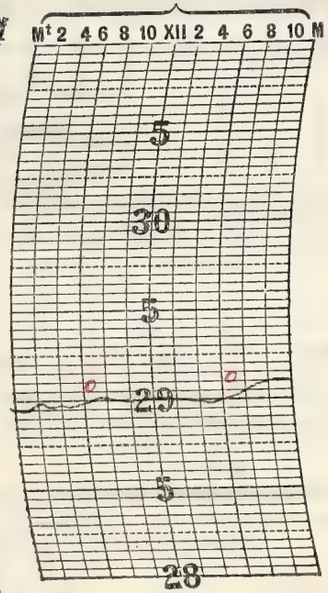
Clouds: Amount, 9; Kind, ASt; Direction, W

Velocity of clouds (miles per hour)

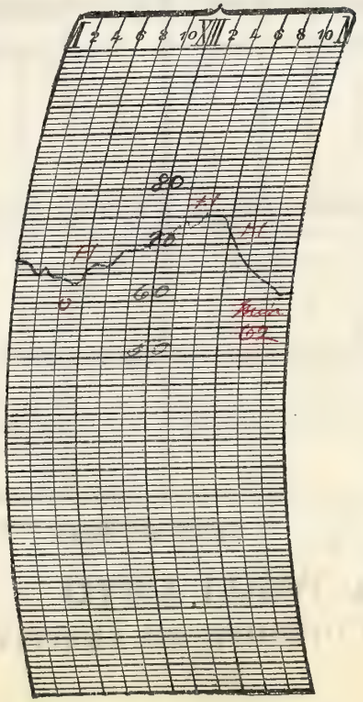
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A cloudy and moderately cool day with occasionally unsettled

Prepared by 608.

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Hayes, Kan., (Day of week) Monday, (Date) 31, 192

Time (local standard) 90th mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	60	58	57	57	57	57	61	66	68	69	71	73
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Clear		×	Pt. Cloudy			
Sunrise: Time, Character,	4:44 Clear											
Moonrise:	10:27a											
Sunshine (in tenths of hours)					.27 0	0.6 0.4	1.0 1.0	1.0 1.0	1.0 1.0	1.0 1.0	1.0 1.0	1.0 1.0
Wind direction	NW	W	W	SW	SW	SW	SW	NW	NW	NW	NW	W
Wind movement	3	5	5	7	7	5	6	6	10	11	11	11
Maximum velocities (exceeding 20 miles) direction and time												

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	74	75	75	75	75	75	73	71	67	66	64	62
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions				Pt. Cloudy		×		Clear				
Sunset: Time, Character,									6:49 Cloudy			
Moonset:									9:43p			
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	1.0	0.1					
Wind direction	W	NW	NW	NW	NW	NW	NW	NW	NW	SW	SW	SW
Wind movement	13	13	13	13	11	9	6	2	4	5	6	5
Maximum velocities (exceeding 20 miles) direction and time												

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
76	56	66.1	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 13.4 Possible sunshine, hours, 14.1
Per cent of possible sunshine, 95
Prevailing wind direction, NW Total wind 187
Average hourly velocity, 7.8 Extreme velocity, 18
Maximum velocity, 16 Direction, NW
Time began, 2:43 p.m.
Reduced barometer, 30.09 7 a. m. 30.12 7 p. m.
River gage, 2.2 Feet
Relative humidity, 71 7 a. m. 34 7 p. m.

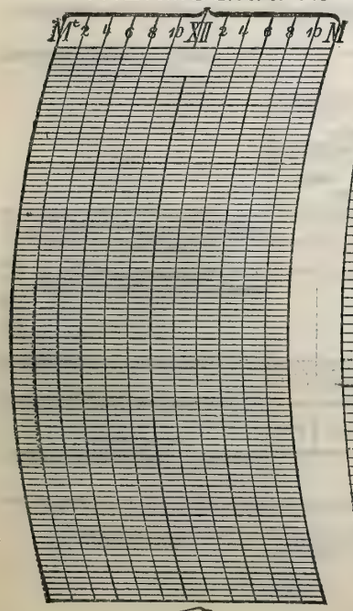
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

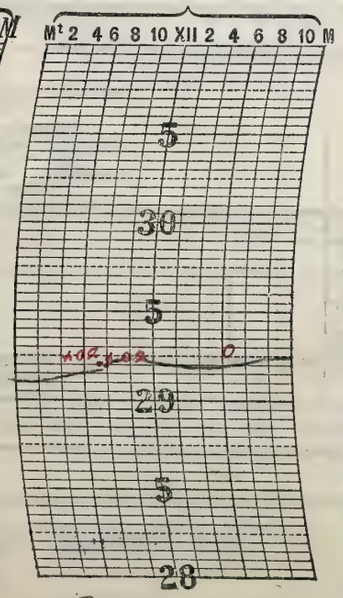
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 72.6 Wet temperature, 58.0
Dew-point, 47 R. humidity, 40 V. pressure, .322
Clouds: Amount, 6; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

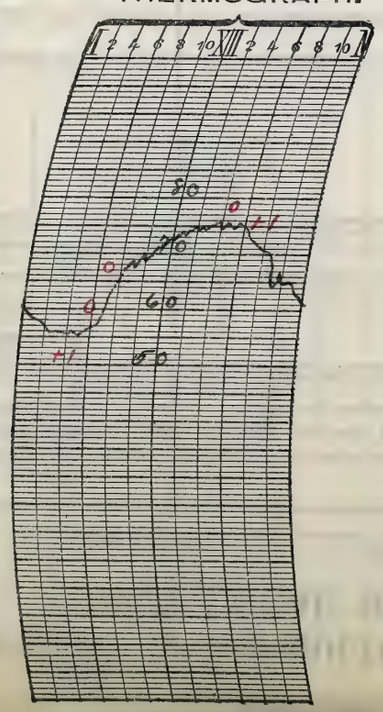
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A partly cloudy and cool day and altogether very pleasant.

Prepared by [illegible]
Verified by [illegible]

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind, (Day of week) Tuesday, (Date) [illegible], 192

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	60	60	59	58	58	59	63	69	74	77	80	82	82	81	82	80	80	78	76	73	71	70	68	68
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						←		Clear				→	Pt Cloudy					→		Clear				
Sunshine (in tenths of hours)					.27 0	0.7 0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0.6	0					
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	W	W	W	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	S	S	S
Wind movement	6	6	6	7	6	5	6	6	7	8	7	7	9	10	11	11	10	10	8	8	7	7	7	7
Maximum velocities (exceeding 25 miles) direction and time																								

Sunrise: Time, 4:44 Character, Clear
Moonrise: 11:32a
Sunset: Time, 6:48 Character, Cloudy
Moonset: 10:12p

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

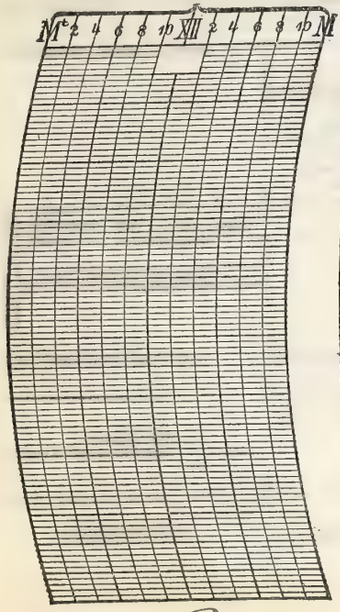
	Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
	83	58	70	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 12.7 Possible sunshine, hours, 14.1
Per cent of possible sunshine, 90
Prevailing wind direction, SW Total wind 184
Average hourly velocity, 7.7 Extreme velocity, 13
Maximum velocity, 13 Direction, SW
Time began, 3:09 p.m.
Reduced barometer, 30.[illegible] 7 a. m. 30.11 7 p. m.
River gage, 2.1 Feet
Relative humidity, 64 7 a. m. 42 7 p. m.

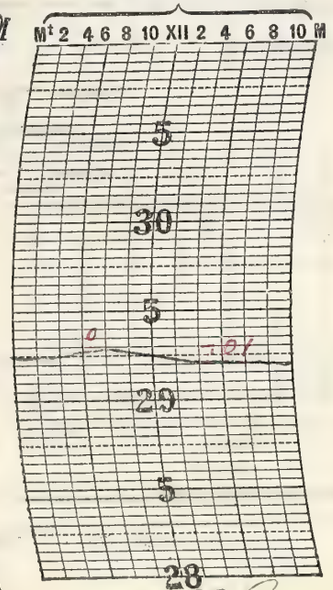
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 81.0 Wet temperature, 60.5
Dew-point, 46 R. humidity, 29 V. pressure, .310
Clouds: Amount, 3 1st; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

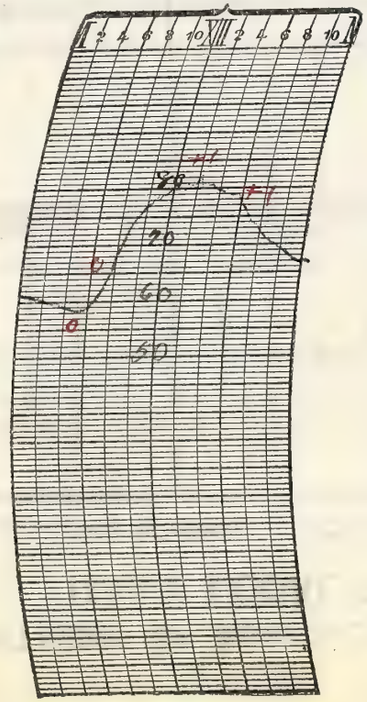
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A clear day with reasonable temperatures.

Prepared by
Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) [illegible], (Date) [illegible], 192

Time (local standard) 90 mer. normal time.

	A. M.												P. M.											
	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	66	65	63	63	62	63	65	70	74	79	80	81	83	83	84	84	81	80	79	77	75	75	74	72
State of weather. Nature of precipitation and time of beginning and ending																								RB DNW
Amounts of precipitation																								.01
Cloudiness and other conditions						←			Cloudy					→	Pt. Cloudy	×		Cloudy				→		

Sunrise: Time, 4:45; Character, Cloudy. Moonrise: 12:23 P.

Sunset: Time, 6:47; Character, Cloudy. Moonset: 11:08 P.

Sunshine (in tenths of hours)					0	0	0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.4	0	0					
Wind direction	S	SW	S	S	S	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	S	S	S	S	SW
Wind movement	5	7	7	7	8	6	9	12	11	12	13	11	13	13	12	11	11	8	6	5	6	7	7	4
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

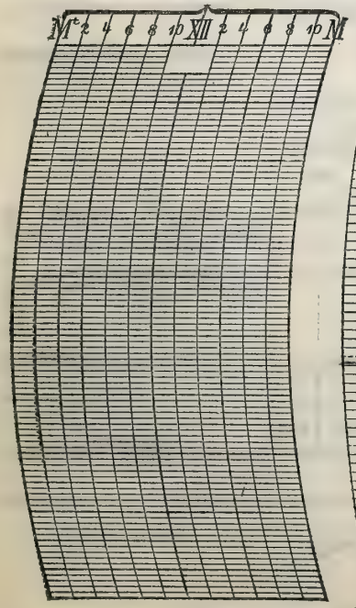
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
84	62	73	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, .01 inches.
Character of day, Cloudy. Moon phase, F.Q. 8:14 a.m.
Average daily cloudiness (0–10), 8
Actual sunshine, hours, 10.0 Possible sunshine, hours, 14.0
Per cent of possible sunshine, 71
Prevailing wind direction, SW Total wind 211
Average hourly velocity, 8.8 Extreme velocity, 16
Maximum velocity, 15 Direction, SW
Time began, 1:05 p.m.
Reduced barometer, 30.00 7 a. m. 30.02 7 p. m.
River gage, 2.1 Feet.
Relative humidity, 65 7 a. m. 47 7 p. m.

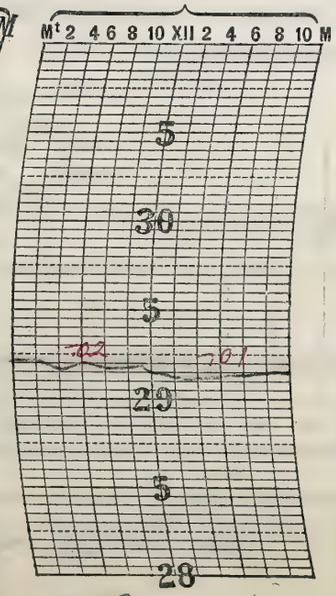
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 81.0 Wet temperature, 63.0
Dew-point, 52 R. humidity, 35 V. pressure, 382
Clouds: Amount, 8; Kind, Ist; Direction, W
Velocity of clouds (miles per hour)

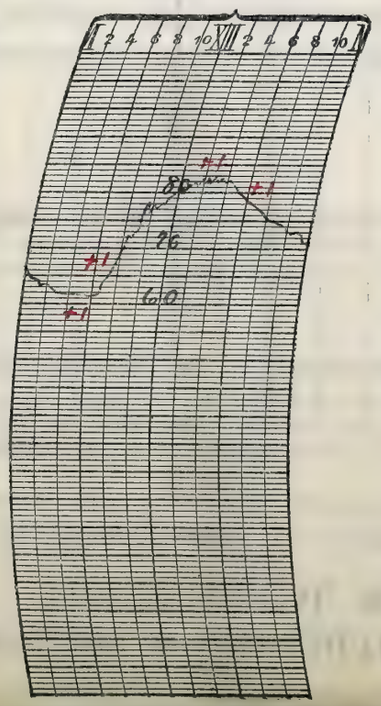
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A Cloudy and moderately warm day.

Prepared by [illegible]

Verified by [illegible]

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) Aug. 1 1912, 192

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	69	68	67	67	66	66	67	67	67	68	69	69
Nature of precipitation and time of beginning and ending										RE 9:25	RB 10:12	
Amounts of precipitation	.02	.02	.01	.05	.02	T	T	.03	.02	T	.02	.02
Cloudiness and other conditions	← Cloudy											
Sunshine (in tenths of hours)					0	0	0	0	0	0	0	0
Wind direction	SW	W	E	SW	N	E	E	S	S	S	S	SW
Wind movement	5	2	3	4	2	4	4	5	7	5	9	11

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	69	69	70	70	71	71	71	70	70	69	67	66
Nature of precipitation and time of beginning and ending			RE 2:35									
Amounts of precipitation	T	.02	T									
Cloudiness and other conditions	Cloudy →											
Sunshine (in tenths of hours)	0	0	0	0	0.1	0	0					
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	9	7	6	8	8	6	4	3	4	6	4	4

State of weather.

Sunrise: Time, 4:47 Character, Cloudy

Moonrise: 1:32 p.

Sunset: Time, 6:45 Character, Cloudy

Moonset: 11:43 p.

Maximum velocities (exceeding 29 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
72	66	69	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .13 ins.; to 7 p. m., .11 ins.

Total precipitation, midnight to midnight, .23 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10), 10

Actual sunshine, hours, 0.1 Possible sunshine, hours, 14.0

Per cent of possible sunshine, 1

Prevailing wind direction, SW Total wind 230

Average hourly velocity, 5.4 Extreme velocity, 13

Maximum velocity, 13 Direction, SW

Time began, 12:01 p.m.

Reduced barometer, 29.03 7 a. m. 29.06 7 p. m.

River gage, 2.1 Feet

Relative humidity, 81 7 a. m. 86 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

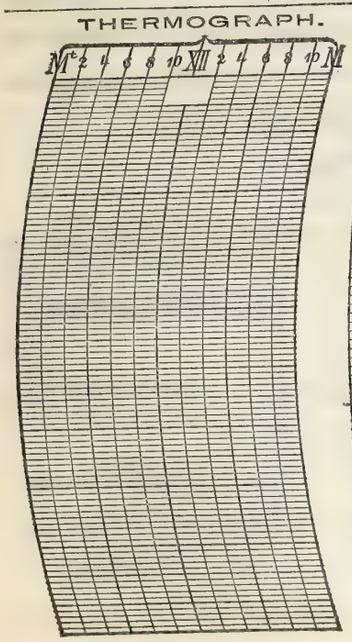
Dry temperature, 68.6 Wet temperature, 66.0

Dew-point, 64 R. humidity, 88 V. pressure, .695

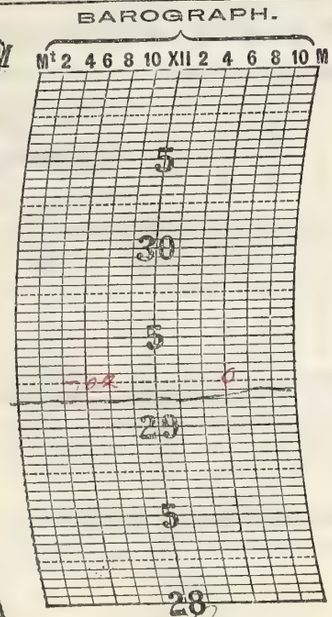
Clouds: Amount, 10; Kind, Nb; Direction, SW

Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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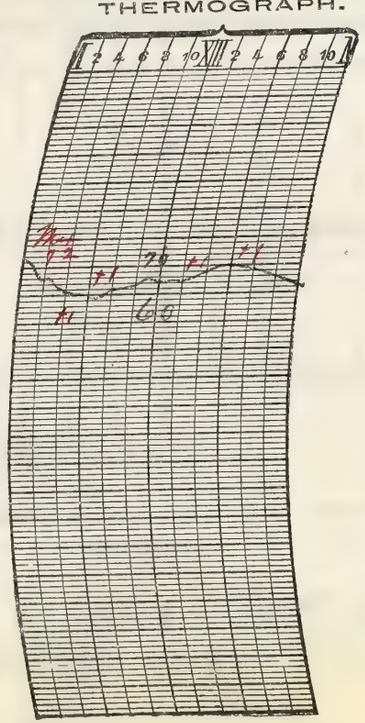


NOTES.

A cloudy day with moderately low temperatures and practically steady soaking rain through the major portion of the day.

Prepared by

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind, (Day of week) Friday, (Date) Aug 1 1928, 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	65	66	67	67	67	69	70	72	72	75	77	78
State of weather. Nature of precipitation and time of beginning and ending			RG DNA AE DNA									
Amounts of precipitation			T									
Cloudiness and other conditions						← Cloudy →				Pt Cldy →		
Sunrise: Time, Character, 4:48 Cloudy. Moonrise: 1:26 p												
Sunshine (in tenths of hours)					0	0	0	0.2	1.0	1.0	1.0	1.0
Wind direction	SW	W	W	W	W	N	N	N	N	N	N	NW
Wind movement	5	4	4	4	4	8	4	6	10	6	5	5

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	80	81	82	83	82	81	79	77	75	71	70	68
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions			← Clear →									
Sunset: Time, Character, 6:44 Clear. Moonset: —												
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	1.0	.63 0.1					
Wind direction	NW	NW	NW	N	N	N	N	N	N	N	N	NE
Wind movement	8	8	8	7	7	5	4	2	2	3	6	6

Maximum velocities (exceeding 29 miles) direction and time.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
83	65	74	

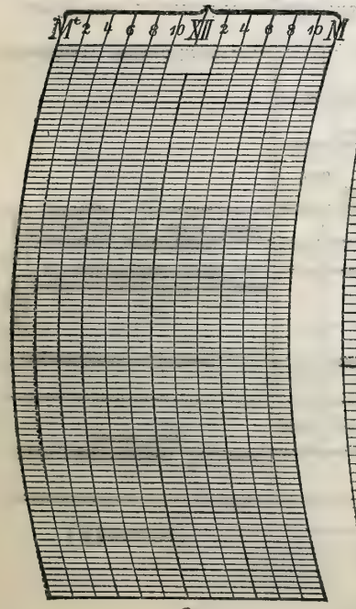
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 10.9 Possible sunshine, hours, 13.9
Per cent of possible sunshine, 78
Prevailing wind direction, N Total wind 131
Average hourly velocity, 5.5 Extreme velocity, 12
Maximum velocity, 13 Direction, N
Time began, 8:23 a.m.
Reduced barometer, 30.18 7 a. m. 30.16 7 p. m.
River gage, 2.1 Feet
Relative humidity, 90 7 a. m. 50 7 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

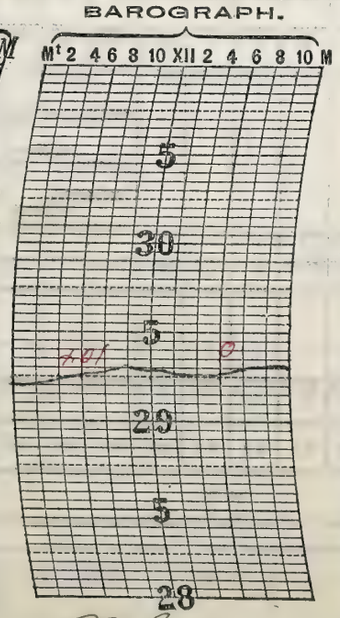
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 77.0 Wet temperature, 65.8
Dew-point, 60 R. humidity, 55 V. pressure, .57 7
Clouds: Amount, 1; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

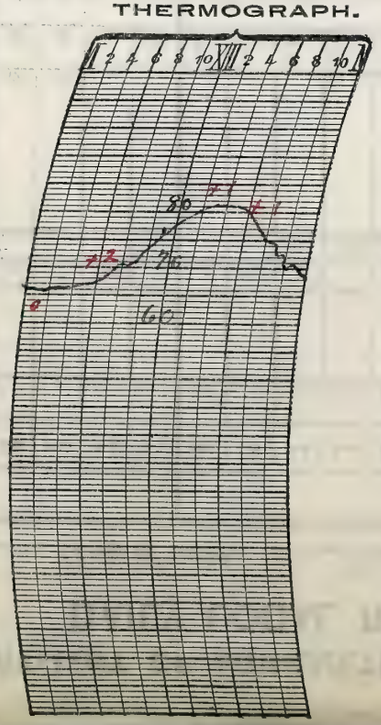
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A fairly cloudy day and moderately warm.

Prepared by
Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) Saturday, (Date) [illegible], 192

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	66	66	65	65	64	65	69	74	78	81	84	86
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Clear					
Sunshine (in tenths of hours)					.18	1.0	0.2					
					0	0	0.8	1.0	1.0	1.0	1.0	1.0
Wind direction	E	E	E	E	SE	SE	S	S	SW	SW	SW	SW
Wind movement	4	4	2	3	3	4	6	8	10	12	11	13

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	86	86	87	88	86	84	82	75	74	74 RB 9:28	73	71 RE 11:10
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation										T	T	T
Cloudiness and other conditions					Pt. Cloudy				Cloudy			
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	0.5	0.3	0					
Wind direction	SW	W	W	W	W	SW	SW	N	N	N	N	NW
Wind movement	11	11	12	10	7	6	7	6	4	1	3	5

Sunrise: Time, 4:49 Character, Clear

Moonrise: 3:16 P

Sunset: Time, 6:43 Character, Cloudy

Moonset: 12:22

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
88	64	76	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10), 3

Actual sunshine, hours, 12.0 Possible sunshine, hours, 12.9

Per cent of possible sunshine, 86

Prevailing wind direction, SW Total wind 16.3

Average hourly velocity, 6.8 Extreme velocity, 15

Maximum velocity, 14 Direction, SW

Time began, 10:56 a.m.

Reduced barometer, 30.15 7 a. m. 29.98 7 p. m.

River gage, 2.1 Feet

Relative humidity, 74 7 a. m. 55 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

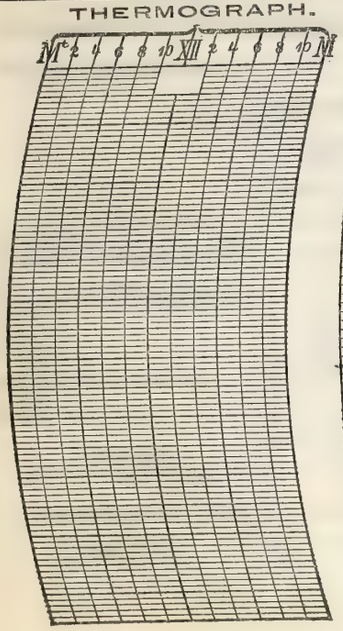
Dry temperature, 84.0 Wet temperature, 68.0

Dew-point, 61 R. humidity, 47 V. pressure, .536

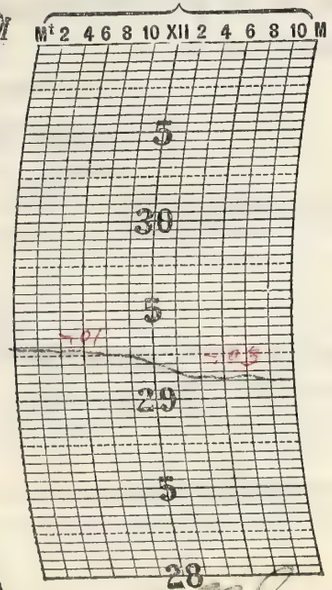
Clouds: Amount, 3; Kind, Cu; Direction, NW

Velocity of clouds (miles per hour)

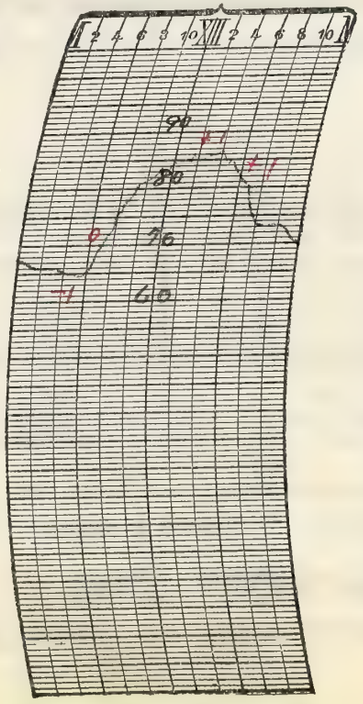
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Heavy dew observed at a.m. observation.
Light haze began, 8 P.M.
Light haze ended, 7:45 a.m.
Cu clear and moderately warm day.

Prepared by

Verified by

8—4P6

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) AUG 1, 192

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	71	68	69	69	66	65	63	64	65	67	69	71
State of weather: Nature of precipitation and time of beginning and ending		RB DNH HE DNA										
Amounts of precipitation		.01										
Cloudiness and other conditions						← Cloudy →			Pt. Cldy →			
Sunrise: Time, Character,	4:50 Cloudy											
Moonrise:	4:01 a											
Sunshine (in tenths of hours)					0	0	0.2	1.0	1.0	1.0	1.0	1.0
Wind direction	NW	NW	NW	NW	N	N	N	N	N	N	N	N
Wind movement	3	2	4	5	11	11	14	14	14	14	14	14
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	72	72	73	72	72	70	68	65	63	62	61	59
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions			Clear →									
Sunset: Time, Character,									6:41 Cloudy			
Moonset:									1:42 a			
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	1.0	0.1					
Wind direction	N	N	N	N	N	N	N	N	N	NE	NE	NE
Wind movement	13	12	12	12	10	10	7	8	7	6	4	5
Maximum velocities (exceeding 29 miles) direction and time												

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
73	59	66	

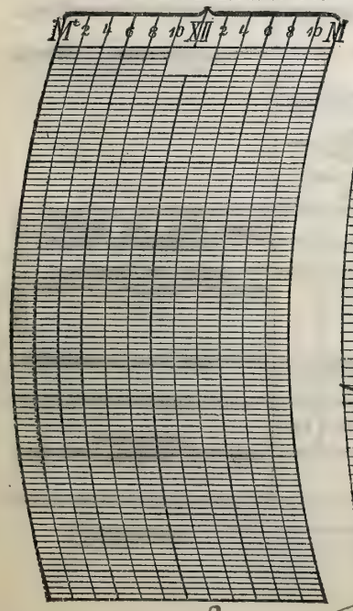
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .01 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, .01 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 11.3 Possible sunshine, hours, 13.8
Per cent of possible sunshine, 82
Prevailing wind direction, N Total wind 228
Average hourly velocity, 9.5 Extreme velocity, 18
Maximum velocity, 12 Direction, NE
Time began, 10:54 a.m.
Reduced barometer, 30.07 7 a. m. 30.16 7 p. m.
River gage, 2.0 Feet
Relative humidity, 80 7 a. m. 47 7 p. m.

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

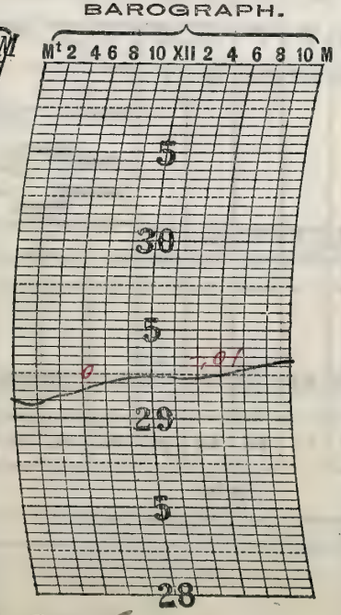
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 70.4 Wet temperature, 57.0
Dew-point, 47 R. humidity, 43 V. pressure, .322
Clouds: Amount, 1; Kind, Cu; Direction, N
Velocity of clouds (miles per hour)

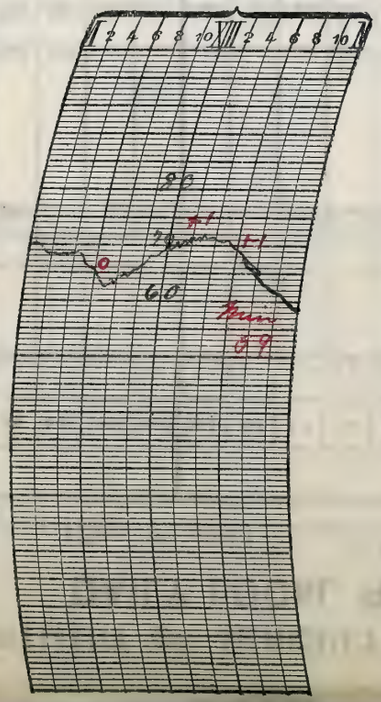
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A clear, cool, and very delightful and pleasant day.

Prepared by

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) Monday, (Date) _____, 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	56	57	56	55	54	55	59	65	67	67	69	70	72	73	73	74	71	71	70	67	66	65	65	64
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						← Clear						→ Pt. Cloudy						← Pt. Cloudy						→ Cloudy
Sunshine (in tenths of hours)					.15 0	0.6 0.3	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2	0	0					
Wind direction	N	N	N	N	N	N	N	SE	SE	NE	SE	NE	E	E	SE	SE	SW	SW	SW	SW	SW	SW	S	S
Wind movement	3	5	3	2	1	2	3	3	3	5	5	6	6	5	6	5	9	6	3	1	1	2	4	4
Maximum velocities (exceeding 25 miles) direction and time																								

Sunrise: Time, 4:51 Character, Clear

Moonrise: 4:42 p.

Sunset: Time, 6:40 p. Character, Cloudy

Moonset: 2:16 a.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
76	54	65	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt. Cloudy Moon phase, _____

Average daily cloudiness (0-10), 6

Actual sunshine, hours, 11.2 Possible sunshine, hours, 13.8

Per cent of possible sunshine, 81

Prevailing wind direction, N Total wind 93

Average hourly velocity, 3.9 Extreme velocity, 12

Maximum velocity, 12 Direction, S

Time began, 4:08 p.m.

Reduced barometer, 30.32 7 a. m. 30.14 7 p. m.

River gage, 1.8 Feet

Relative humidity, 65 7 a. m. 45 7 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

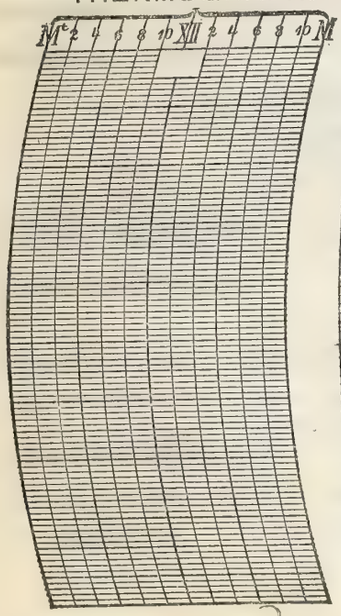
Dry temperature, 70.0 Wet temperature, 55.0

Dew-point, 42 R. humidity, 37 V. pressure, .266

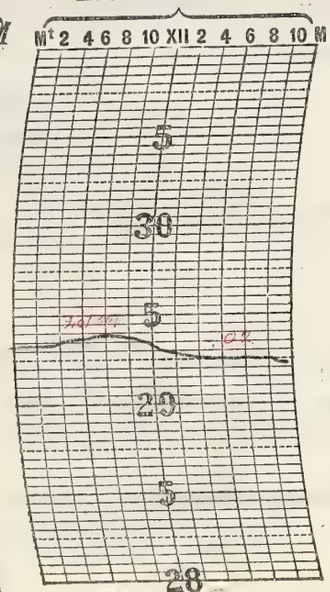
Clouds: Amount, 7; Kind, Cirst.; Direction, NW.

Velocity of clouds (miles per hour) _____

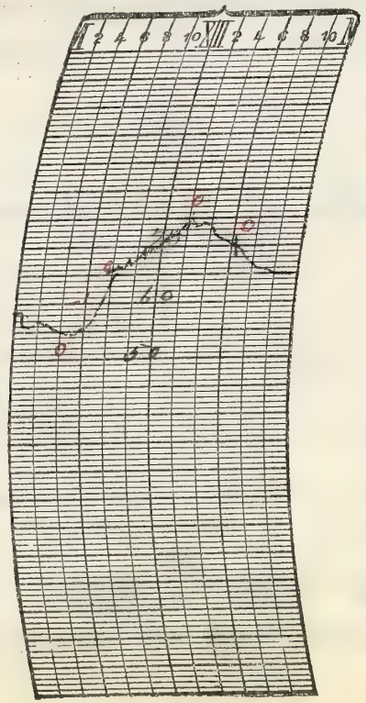
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A partly cloudy day with mostly clear temperature a bright solar halo of 22 degrees was observed from 10:50 a.m. until 3:18 p.m.

Prepared by _____

Verified by _____

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) Aug. 1, 192

Time (local standard) 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	64	63	61	60	59	59	61	63	65	67	70	72
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						←	Cloudy					
Sunshine (in tenths of hours)					0	0	0	0	0	0.6	1.0	1.0
Wind direction	S	S	S	SE	E	E	E	E	SE	E	E	E
Wind movement	4	4	2	3	3	4	3	5	4	4	5	4

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	74	75	74	74	75	74	73	71	69	68	67	68
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions			Cloudy									→
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.1	0.5	0	0					
Wind direction	SE	SE	S	S	S	S	SE	SE	SE	SE	SE	SE
Wind movement	6	7	7	5	4	2	3	3	2	3	3	4

Sunrise: Time, 4:32; Character, Cloudy. Moonrise: 5:18 p.

Sunset: Time, 6:39; Character, Cloudy. Moonset: 3:04 a.

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

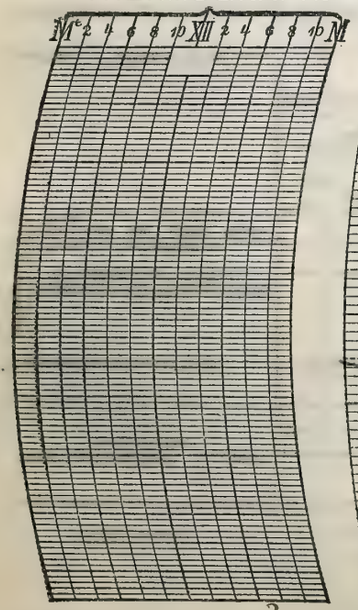
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
76	59	68.1	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 6.2 Possible sunshine, hours, 13.8
Per cent of possible sunshine, 45
Prevailing wind direction, SE Total wind 94
Average hourly velocity, 3.9 Extreme velocity, 11
Maximum velocity, 11 Direction, S
Time began, 1:41 p.m.
Reduced barometer, 30.09 7 a. m. 29.91 7 p. m.
River gage, 2.0 Feet
Relative humidity, 74 7 a. m. 48 7 p. m.

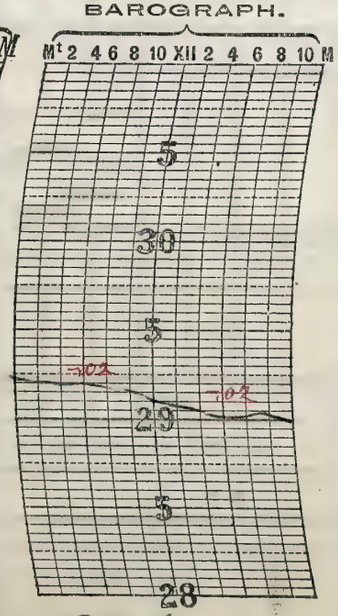
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 70.9 Wet temperature, 58.4
Dew-point, 50 R. humidity, 47 V. pressure, 30.0
Clouds: Amount, 9; Kind, Ast.; Direction, W.
Velocity of clouds (miles per hour)

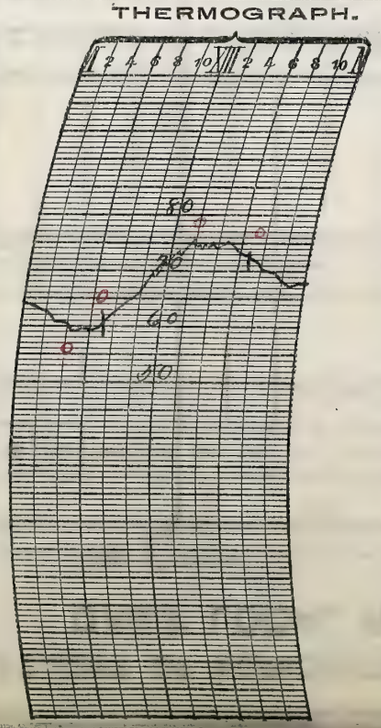
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A cloudy day with moderate temperatures.

Prepared by CCS.
Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) Wednesday, (Date) [illegible], 192

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	68	67	67	67	68	70	72	73	74	77	77	79
State of weather: Nature of precipitation and time of beginning and ending				RB 3:00 RE 3:44			RB 6:10 RE 6:22		RB 8:23 RE 8:40			
Amounts of precipitation				.07			T		.04			
Cloudiness and other conditions						← Cloudy						
Sunrise: Time, 4:53 Character, Cloudy												
Moonrise: 5:52 p												
Sunshine (in tenths of hours)					0	0	0	0	0	0.8	0.3	1.0
Wind direction	SE	SE	S	S	S	S	SW	SW	SW	W	SW	SW
Wind movement	5	3	7	7	7	6	8	13	15	12	16	18

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	83	84	85	84	82	81	79	68	70	69	67	68
State of weather: Nature of precipitation and time of beginning and ending								RB 7:20 RE 7:45				
Amounts of precipitation								.24				
Cloudiness and other conditions			x Pt. Cloudy			x Clear		x PC x Cl x PC x Cl				
Sunset: Time, 6:37 Character, Cloudy												
Moonset: 4:00 a												
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	0.7	0.7	0					
Wind direction	SW	SW	SW	SW	SW	SW	SW	W	W	W	W	W
Wind movement	21	20	18	22	21	22	18	15	11	10	9	9

Maximum velocities (exceeding 29 miles) direction and time.

Excessive precipitation, accumulated amounts

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
85	67	76	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .02 ins.; to 7 p. m., .04 ins.

Total precipitation, midnight to midnight, .35 inches.

Character of day, Pt. Cloudy Moon phase,

Average daily cloudiness (0-10), 6

Actual sunshine, hours, 7.5 Possible sunshine, hours, 13.7

Per cent of possible sunshine, 55

Prevailing wind direction, SW Total wind 316

Average hourly velocity, 13.2 Extreme velocity, 30

Maximum velocity, 29 Direction, SW

Time began, 5:12 p.m.

Reduced barometer, 29.08 7 a. m. 29.71 7, p. m.

River gage, 2.0 Feet

Relative humidity, 95 7 a. m. 62 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

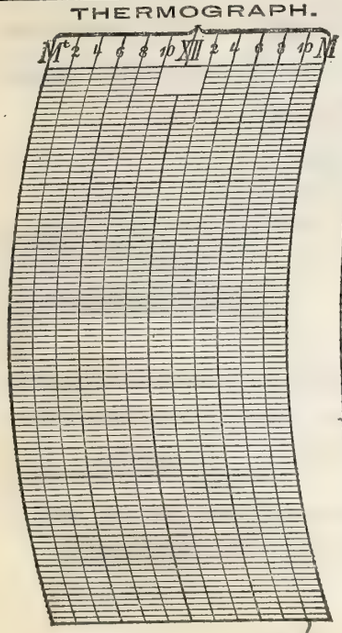
Dry temperature, 78.0 Wet temperature, 71.0

Dew-point, 68 R. humidity, 71 V. pressure, .684

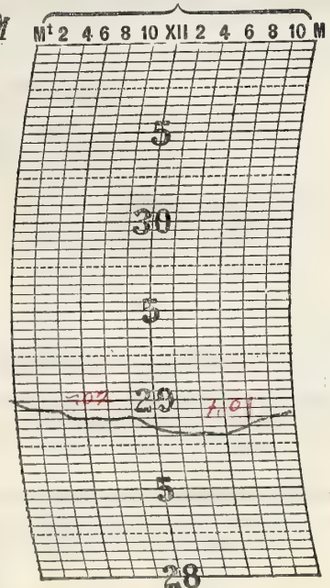
Clouds: Amount, 7; Kind, Strat.; Direction, SW.

Velocity of clouds (miles per hour)

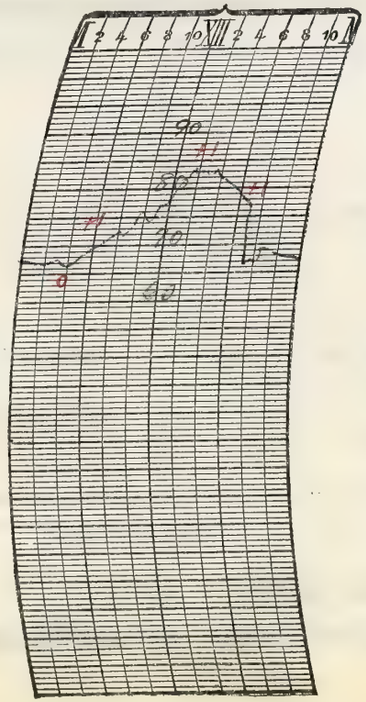
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A pleasantly cloudy day with moderate temperature and occasional showers.

A thundershower passing from the northwest began at 7:15 p.m., and ended at 7:45 p.m. Its character was very light though accompanied by a sudden but heavy downpour of rain.

Prepared by

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) Aug. 27, 192

Time (local standard): 90° mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	67	67	66	65	65	65	67	68	70	72	75	77
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Clear		→	Pt. Cloudy	→	Cloudy	
Sunshine (in tenths of hours)					0	0.1	0.8	0.5	0.9	1.0	1.0	1.0
Wind direction	W	W	W	W	W	W	W	NW	NW	NW	NW	NW
Wind movement	9	12	9	9	6	8	8	10	11	10	8	7

Sunrise: Time, 4:54; Character, Cloudy. Moonrise: 6:23 p.

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	78	80	81	80	79	77	74	72	70	68	67	66
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						Pt. Cloudy			→			
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.8	0					
Wind direction	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	8	7	10	11	9	9	6	3	4	4	3	2

Sunset: Time, 6:36; Character, Cloudy. Moonset: 4:56 a

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

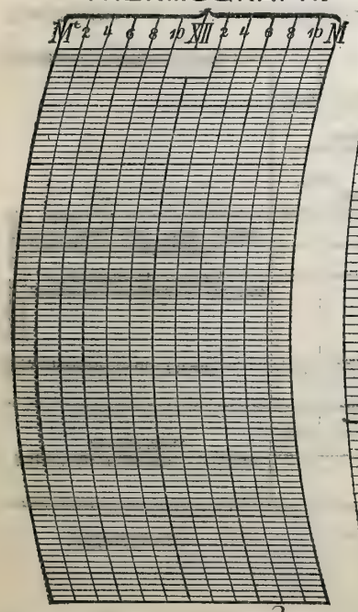
Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
81	64	72	

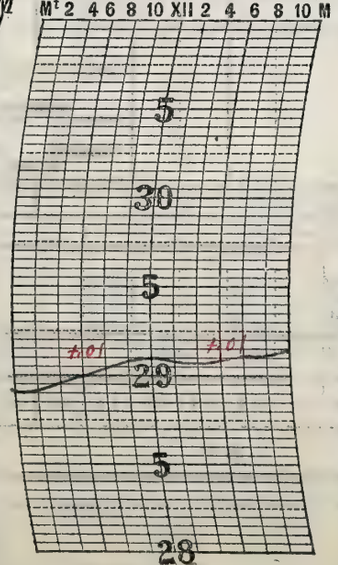
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .24 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy. Moon phase, Full 9:28 a.m.
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 11.1 Possible sunshine, hours, 13.7
Per cent of possible sunshine, 81
Prevailing wind direction, NW Total wind 183
Average hourly velocity, 7.6 Extreme velocity, 15
Maximum velocity, 14 Direction, X
Time began, 3:25 p.m.
Reduced barometer, 29.94 7 a. m. 30.02 7 p. m.
River gage, 2.2 Feet.
Relative humidity, 88 7 a. m. 65 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 76.2 Wet temperature, 65.8
Dew-point, 60 R. humidity, 58 V. pressure, .512
Clouds: Amount, 8; Kind, Cu; Direction, N.W.
Velocity of clouds (miles per hour)

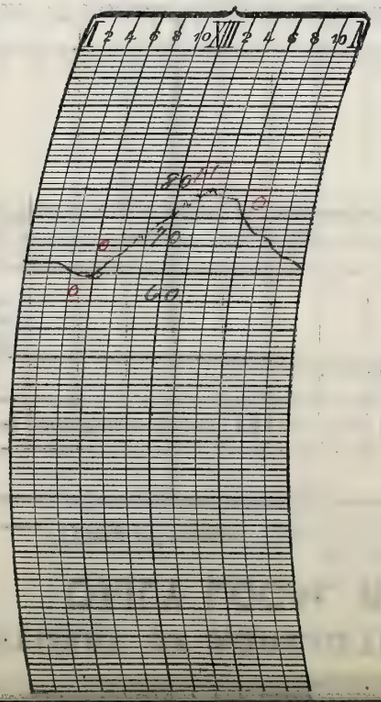
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Prepared by CCS.
Verified by

8—186

NOTES.

A fairly cloudy day with moderate temperature.

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) Friday, (Date) _____, 192

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	64	63	62	61	61	64	68	74	77	80	83	86
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						←			Clear			
Sunshine (in tenths of hours)					.08 0	0.9 0.1	1.0	1.0	1.0	1.0	1.0	1.0
Wind direction	NW	NW	0	NW	NW	NW	NW	S	SW	SW	SW	SW
Wind movement	3	1	0	1	1	2	4	6	9	12	13	14

Sunrise: Time, 4:55; Character, Clear. Moonrise: 6:53 p.

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	87	87	87	87	85	83	81	79	68 8:46 8:59	66	67	67
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation									T	.24	.04	.15
Cloudiness and other conditions							Clear			x-P.Cldy	x-Cloudy	→
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.7	0					
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	NW	NW	SW
Wind movement	16	18	17	18	18	15	12	13	16	16	7	6

Sunset: Time, 6:34; Character, Cloudy. Moonset: 5:53 a.

Maximum velocities (exceeding 29 miles) direction and time: 34 NW 8:26

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

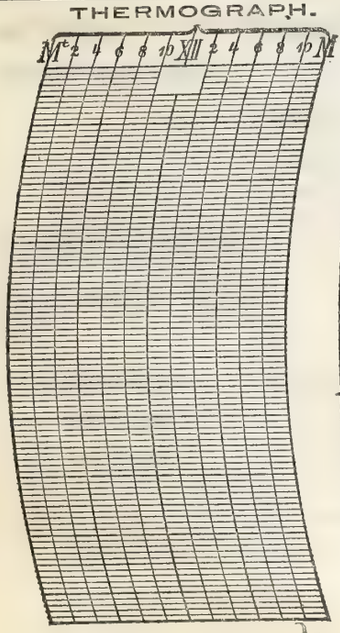
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
88	61	74	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, .43 inches.
Character of day, Clear. Moon phase, _____
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 12.8. Possible sunshine, hours, 13.6
Per cent of possible sunshine, 94
Prevailing wind direction, SW. Total wind 238
Average hourly velocity, 9.9. Extreme velocity, 33
Maximum velocity, 34. Direction, NW.
Time began, 8:56 p.m.
Reduced barometer, 30.08 7 a. m. 29.92 7 p. m.
River gage, 2.3 Feet.
Relative humidity, 72 7 a. m. 55 7 p. m.

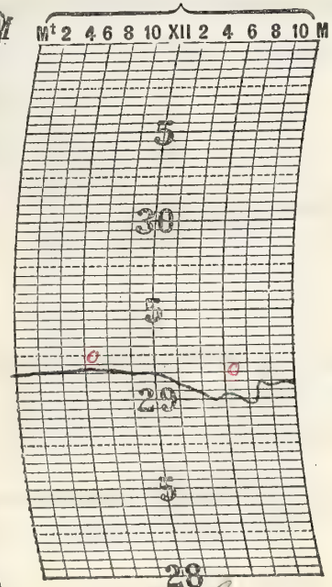
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 83.3. Wet temperature, 67.0
Dew-point, 58. R. humidity, 43. V. pressure, .482
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

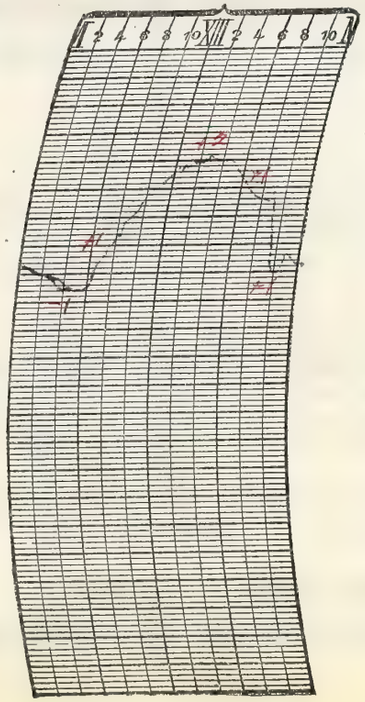
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Heavy deposit of dew on the ground at the 7 a.m. observation.
A clear day with moderate temperatures.
A thunderstorm which commenced at 8:45 p.m. accompanied by a light electrical display and moderate precipitation continued through the night into the 20th.

Prepared by _____
Verified by _____

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) [illegible], (Date) [illegible], 192

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	67	66	67	67	67	67	68	70	71	73	76	78
State of weather: Nature of precipitation and time of beginning and ending			RE 2.30									
Amounts of precipitation	.17	.05	.06									
Cloudiness and other conditions						← Cloudy			— x —	Pt. Cloudy		
Sunrise: Time, Character,	5:56 Cloudy											
Moonrise:	7:22p											
Sunshine (in tenths of hours)					0	0	0	0	0.4	0.4	1.0	1.0
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	W	W	NW	NW
Wind movement	8	11	15	12	11	9	8	8	9	13	13	12

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	78	77	76	74	72	69	68	64	62	61	60	60
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					— x —	Clear						→
Sunset: Time, Character,									6:33 Clear			
Moonset:									6:50a			
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.1 / 0.9	.55 / 0					
Wind direction	NW	NW	NW	NW	NW	NW	NW	NW	NW	N	N	N
Wind movement	14	13	16	16	16	14	11	12	8	7	6	11

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
78	60	69	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .21 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, .28 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 9.4 Possible sunshine, hours, 13.6
Per cent of possible sunshine, 69
Prevailing wind direction, NW Total wind 273
Average hourly velocity, 11.4 Extreme velocity, 22
Maximum velocity, 22 Direction, NW
Time began, 3:04 p.m.
Reduced barometer, 30.03 7 a. m. 30.18 7 p. m.
River gage, 2.3 Feet
Relative humidity, 90 7 a. m. 65 7 p. m.

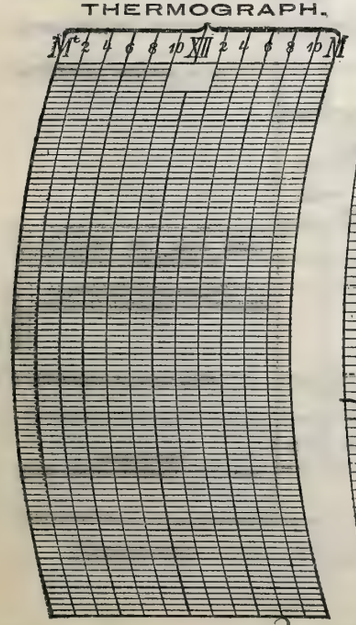
Excessive precipitation, accumulated amounts

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

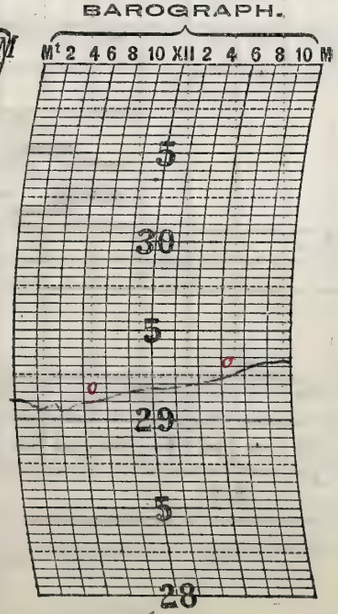
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 72.7 Wet temperature, 69.6
Dew-point, 65 R. humidity, 65 V. pressure, .616
Clouds: Amount, 7; Kind, St.Cu; Direction, NW
Velocity of clouds (miles per hour)

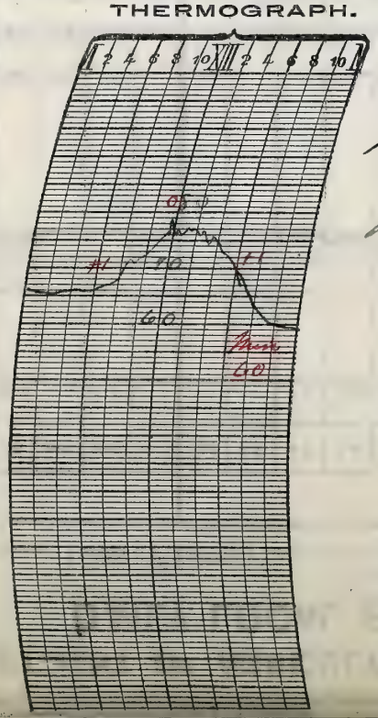
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The thunderstorm moving from the northwest which commenced on the night of the 19th ended at 2:50 p.m.
A partly cloudy day with moderate temperature

Prepared by [illegible]

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind, (Day of week) Saturday, (Date) [illegible], 192

Time (local standard). 90° mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	58	58	58	57	56	57	58	62	65	66	68	69
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						Clear						
Sunshine (in tenths of hours)					.05 0	0.6 0.2	1.0	1.0	1.0	1.0	1.0	1.0
Wind direction	N	NE	NE	NE	NE	NE	NE	NE	E	E	NE	NE
Wind movement	10	10	11	7	10	8	9	10	10	9	8	7

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	71	72	72	72	71	69	67	63	62	60	59	58
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						Clear						
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.1 0.9	.52 0					
Wind direction	NE	NE	NE	NE	NE	N	NE	NE	NE	E	E	SE
Wind movement	8	7	7	7	6	7	6	5	6	6	6	4

Sunrise: Time, 4:57 a. Character, Clear. Moonrise: 7:53 a.

Sunset: Time, 6:31 p. Character, Clear. Moonset: 7:42 a.

Maximum velocities (exceeding [illegible] miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
72	56	64	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10), 2

Actual sunshine, hours, 13.6 Possible sunshine, hours, 13.6

Per cent of possible sunshine, 100

Prevailing wind direction, NE Total wind 186

Average hourly velocity, 7.8 Extreme velocity, 14

Maximum velocity, 13 Direction, N

Time began, 12:12 a.m.

Reduced barometer, 30.34 7 a. m. 30.33 7 p. m.

River gage, 2.4 Feet

Relative humidity, 71 7 a. m. 64 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

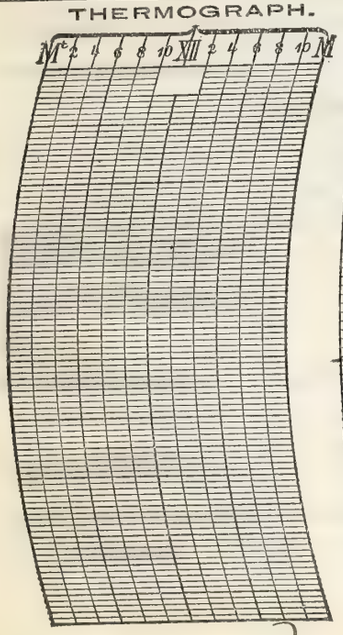
Dry temperature, 69.0 Wet temperature, 56.5

Dew-point, 49 R. humidity, 45 V. pressure, .322

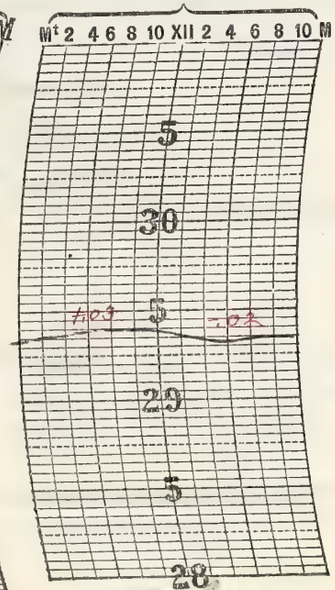
Clouds: Amount, 2; Kind, Cu; Direction, SE

Velocity of clouds (miles per hour)

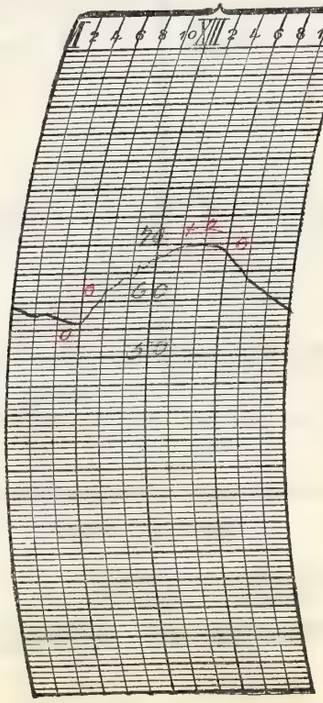
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A clear day with moderate temperatures and bright warm sunshine

Prepared by

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) AUG 23 1909, 192

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	57	56	54	54	53	53	57	62	65	66	68	69	70	70	69	68	67	67	66	65	64	62	60	59
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						<Clear	→	Pt Cldy	→						Cloudy							→		
Sunshine (in tenths of hours)					0	0.2	1.0	1.0	1.0	1.0	1.0	0.7	1.0	1.0	0.1	0	0	0	0					
Wind direction	E	E	E	E	E	NE	E	E	E	E	E	E	NE	NE	NE	NE	NE	E	E	E	E	E	E	E
Wind movement	4	3	3	4	4	6	6	4	7	10	7	6	8	6	7		10	6	4	4	7	7	7	5

Sunrise: Time, 4:58 Character, Cloudy
Moonrise: 8:22 P.

Sunset: Time, 6:30 Character, Cloudy
Moonset: 8:46 a

Maximum velocities (exceeding 22 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

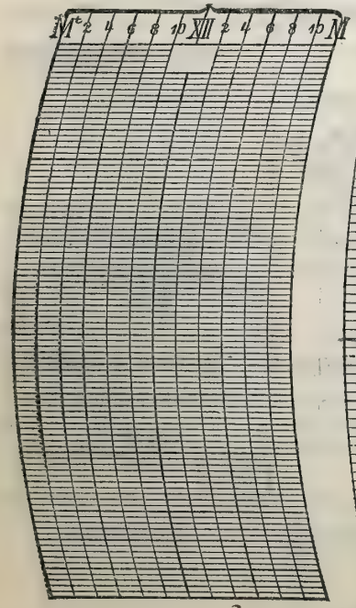
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
70	52	61	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 8.0 Possible sunshine, hours, 13.5
Per cent of possible sunshine, 59
Prevailing wind direction, E Total wind 140
Average hourly velocity, 5.8 Extreme velocity, 12
Maximum velocity, 12 Direction, E
Time began, 9:40 a.m.
Reduced barometer, 30.13 7 a. m. 30.15 7 p. m.
River gage, 2.3 Fall
Relative humidity, 65 7 a. m. 57 7 p. m.

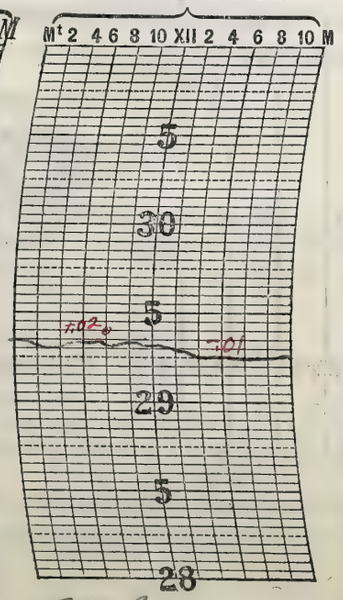
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 67.8 Wet temperature, 54.0
Dew-point, 42 R. humidity, 40 V. pressure, .266
Clouds: Amount, 10; Kind, Ast; Direction, NW
Velocity of clouds (miles per hour)

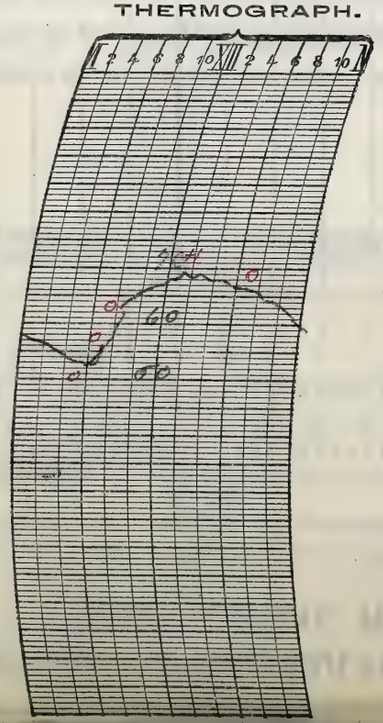
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A faint solar halo of 22° radius began at 9:40 a.m. and disappeared about 10:42 a.m. A Sunday and so then cool day.

Prepared by
Verified by

3—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) AUG 22 1922, 192

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	57	56	56	55	54	55	60	63	70	74	75	76
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Pt. Cloudy					→ Clear	
Sunshine (in tenths of hours)					.02 0	1.0 0	0.9	0.8	1.0	1.0	1.0	1.0
Wind direction	E	E	E	E	E	E	E	E	E	SE	SE	SE
Wind movement	5	5	5	5	5	2	3	3	4	8	5	6

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	78	78	78	79	78	76	73	70	67	65	63	61
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					Clear							
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0.4	0					
Wind direction	E	E	E	E	E	E	E	E	E	E	E	E
Wind movement	6	6	7	7	6	3	5	6	7	8	7	5

Sunrise: Time, 4:59 Character, Clear
Moonrise: 8:54 p
Sunset: Time, 6:28 Character, Cloudy
Moonset: 9:44 a

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.

Excessive precipitation, accumulated amounts

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

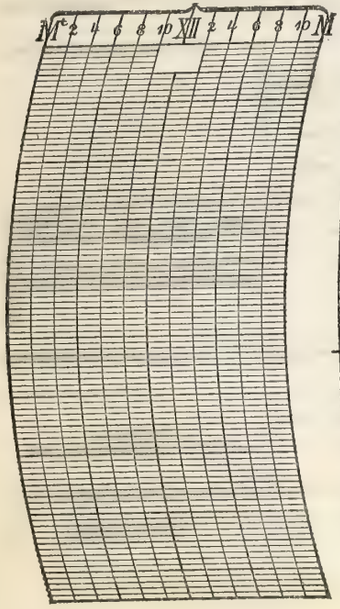
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
79	54	66	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10),
Actual sunshine, hours, 12.1 Possible sunshine, hours, 13.5
Per cent of possible sunshine, 90
Prevailing wind direction, E Total wind 124
Average hourly velocity, 5.2 Extreme velocity, 9
Maximum velocity, 9 Direction, E
Time began, 2:03 p.m.
Reduced barometer, 30.18 7 a. m. 30.09 7 p. m.
River gage, 2.2 Fall
Relative humidity, 73 7 a. m. 46 7 p. m.

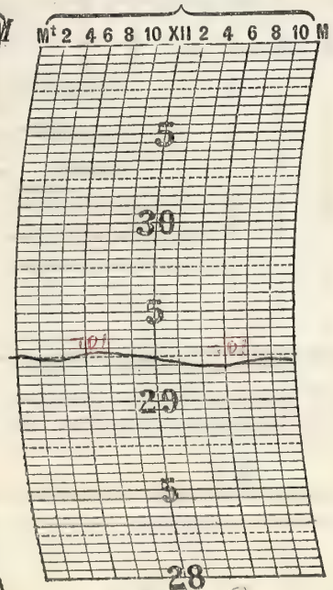
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 76.5 Wet temperature, 58.5
Dew-point, 45 R. humidity, 32 V. pressure, .298
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

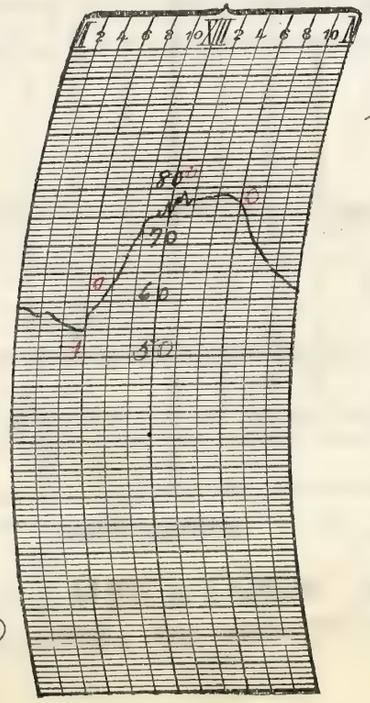
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A frostal point and a dew point of 32° radiation observed at 6:40 a.m., and disappeared about 8:10 a.m.
A clear day with moderate temperatures.

Prepared by
Verified by P. M. Donovan

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) [illegible], (*Day of week*) [illegible], (*Date*) [illegible], 192

Time (local standard). 90° mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	60	59	58	57	56	56	58	64	71	78	82	83
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Clear					
Sunshine (in tenths of hours)						1.00 0	0.8 0.2	1.0	1.0	1.0	1.0	1.0
Wind direction	E	E	E	E	E	E	E	E	E	E	S	S
Wind movement	5	4	5	3	5	2	5	2	4	4	6	6
Maximum velocities (exceeding 22 miles) direction and time												

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	85	84	85	85	84	82	80	76	73	71	71	71
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions				Clear								
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	0.2 0.8	1.0 0	1.0 0					
Wind direction	SW	SW	SW	SW	SW	SW	SW	S	S	S	E	E
Wind movement	7	6	8	7	5	2	2	2	3	3	4	5
Maximum velocities (exceeding 22 miles) direction and time												

Sunrise: Time, 5:00 Character, Clear

Moonrise: 9:31 p.

Sunset: Time, 6:27 Character, Clear

Moonset: 11:40 p.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
86	56	71	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10), 0

Actual sunshine, hours, 13.4 Possible sunshine, hours, 13.4

Per cent of possible sunshine, 100

Prevailing wind direction, E Total wind 10.5

Average hourly velocity, 4.4 Extreme velocity, 12

Maximum velocity, 10 Direction, SW

Time began, 2:56 p.m.

Reduced barometer, 30.16 7 a. m. 30.09 7 p. m.

River gage, 2.1 Feet

Relative humidity, 85 7 a. m. 54 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

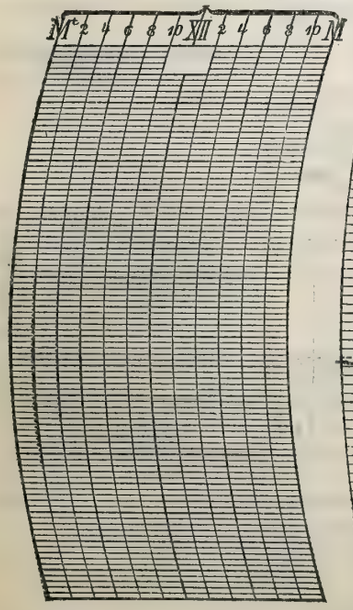
Dry temperature, 83.2 Wet temperature, 63.2

Dew-point, 50 R. humidity, 32 V. pressure, 36.0

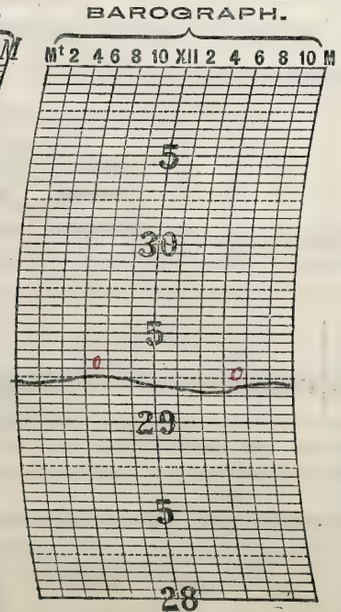
Clouds: Amount, 0; Kind, 0; Direction, 0

Velocity of clouds (miles per hour)

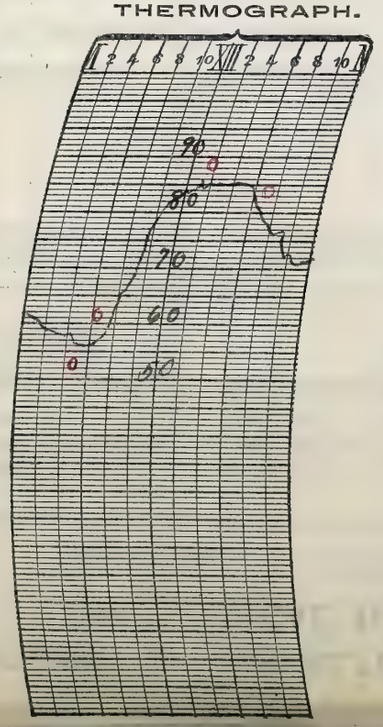
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Heavy deposit of dew on ground at 7 a.m. observation.
A clear and warm day.

Prepared by [illegible]

Verified by O. M. Donough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) Aug 4 1921, 192

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	67	65	64	62	62	62	64	68	73	77	82	84
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Clear						
Sunshine (in tenths of hours)						1.00 0	1.0 0	0.9 0.1	1.0	1.0	1.0	1.0
Wind direction	SE	NE	NE	NE	E	E	E	E	E	E	E	E
Wind movement	4	4	3	5	5	3	5	6	5	5	5	7

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	85	87	85	84	83	80	77	74	72	71	68	67
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												
Sunshine (in tenths of hours)	0.7	1.0	0.6	0.2	0	0	0					
Wind direction	E	E	SE	E	NE	NE	E	E	E	E	E	E
Wind movement	5	5	4	6	8	5	8	8	7	7	5	4

Pt. Cloudy →

Sunrise: Time, 5:00 Character, Clear

Moonrise: 10:13p

Sunset: Time, 6:25 Character, Cloudy

Moonset: 11:45a

Maximum velocities (exceeding 22 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
87	62	74	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt. Cloudy Moon phase,

Average daily cloudiness (0-10), 4

Actual sunshine, hours, 9.5 Possible sunshine, hours, 14.4

Per cent of possible sunshine, 71

Prevailing wind direction, E Total wind 129

Average hourly velocity, 5.4 Extreme velocity, 10

Maximum velocity, 10 Direction, E

Time began, 6:18 p.m.

Reduced barometer, 30.11 7 a. m. 30.10 7 p. m.

River gage, 2.0 Feet

Relative humidity, 78 7 a. m. 72 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

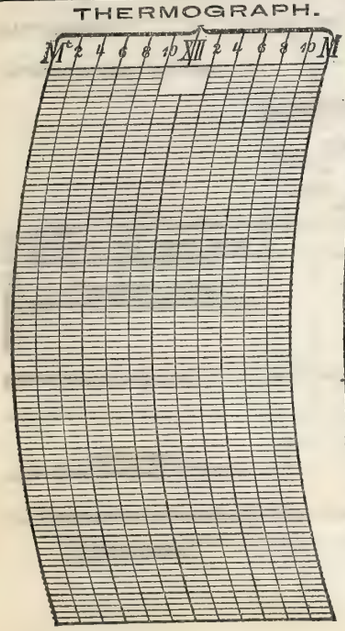
Dry temperature, 83.5 Wet temperature, 65.0

Dew-point, 54 R. humidity, 36 V. pressure, .417

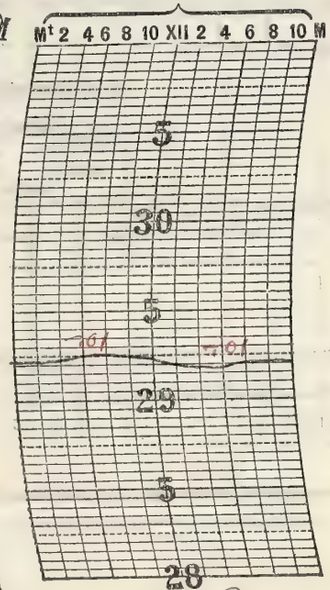
Clouds: Amount, 2 Cu; Kind, Cu Direction, NW

Velocity of clouds (miles per hour)

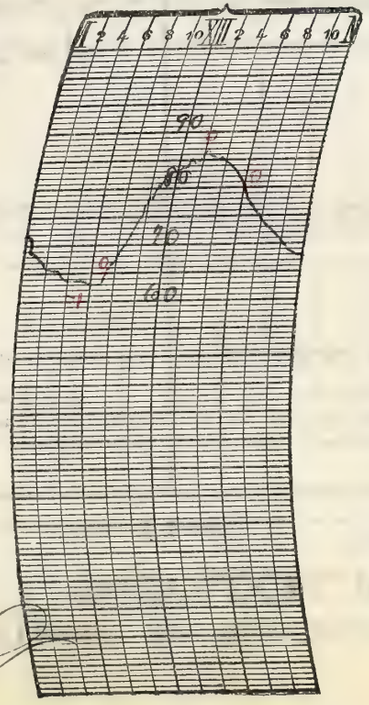
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Lt. Haze began — 8.N.B.
Lt. Haze ended — 9:00 p.m.
A partly cloudy and rather warm and sultry day.

Prepared by GCS

Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Port Huron, Mich., (Day of week) [illegible], (Date) [illegible], 192

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	65	64	63	62	61	61	64	72	78	83	85	86	87	87	86	82	80	82	81	78	76	75	74	73
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						← Pt. Cloudy				→	Clear	→ Pt.	Cldy →			Cloudy								→
Sunshine (in tenths of hours)						0	0	0	0.7	1.0	1.0	1.0	0.8	0.5	0.5	0	0	0	0					
Wind direction	E	E	E	E	E	E	E	SE	SE	S	S	S	S	SW	SW	SW	SW	SE	S	S	S	S	S	S
Wind movement	5	4	6	5	5	4	3	2	2	4	4	6	10	11	11	10	3	5	6	8	11	12	12	11
Maximum velocities (exceeding 22 miles) direction and time																								

Sunrise: Time, 5.02 Character, Cloudy
Moonrise: 11.00 p

Sunset: Time, 6.24 Character, Cloudy
Moonset: 12.56 p

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

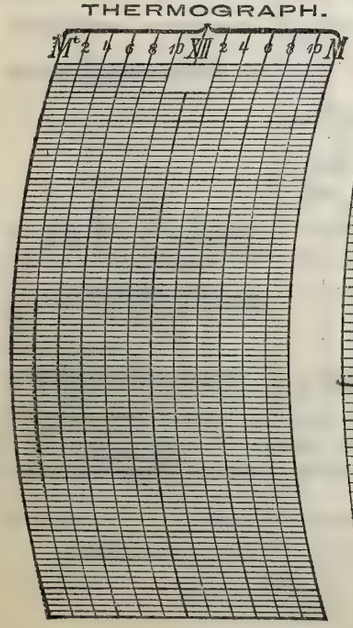
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
88	61	74	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase, 4.96 dia.
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 5.5 Possible sunshine, hours, 13.4
Per cent of possible sunshine, 41
Prevailing wind direction, S. Total wind 160
Average hourly velocity, 6.7 Extreme velocity, 14
Maximum velocity, 14 Direction, S
Time began, 9.18 p.m.
Reduced barometer, 30.12 7 a. m. 30.01 7, p. m.
River gage, 2.0 Feet.
Relative humidity, 82 7 a. m. 76 7 p. m.

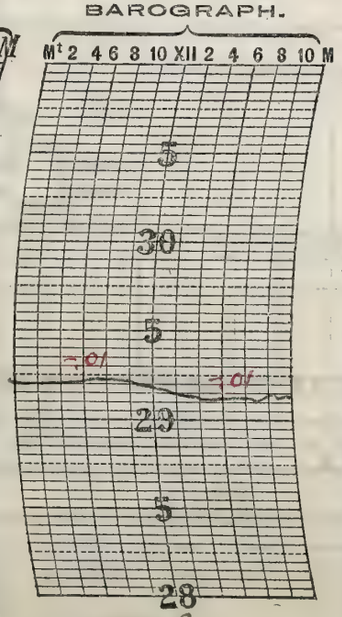
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 86.8 Wet temperature, 72.0
Dew-point, 65 R. humidity, 49 V. pressure, .616
Clouds: Amount, 4; Kind, Cu; Direction, SE
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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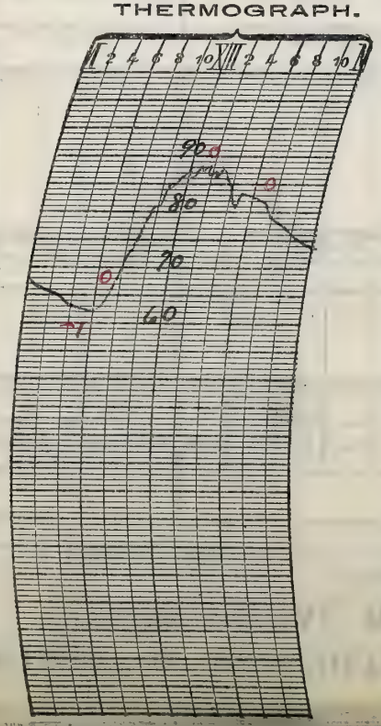


NOTES.

A pretty cloudy and rather warm day.

Prepared by [illegible]
Verified by [illegible]

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) AUG 21 19, 192

Time (local standard). 90" mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	72	72	72	70	69	68	68	69	73	76	78	80
				RB DNA					RE 8:10			
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation				.03	.08	.19	.19	.04	T			
Cloudiness and other conditions						← Cloudy				×	Pt. Cldy	
Sunshine (in tenths of hours)						0	0	0	0.2	1.0	1.0	1.0
Wind direction	S	S	S	S	S	S	S	S	S	S	SW	SW
Wind movement	9	10	11	9	4	7	11	11	11	12	19	17

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	79	79	79	79	77	77	76	75	74	73	73	72
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	×				Cloudy					→		
Sunshine (in tenths of hours)	0.4	0.1	0.1	0	0	0	0					
Wind direction	SW	SW	SW	SW	SW	S	S	S	S	S	SW	SW
Wind movement	18	19	20	18	14	11	10	11	10	9	12	9

Sunrise: Time, 5:03 Character, Cloudy
Moonrise: 11:34p

Sunset: Time, 6:22 Character, Cloudy
Moonset: 1:46p

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

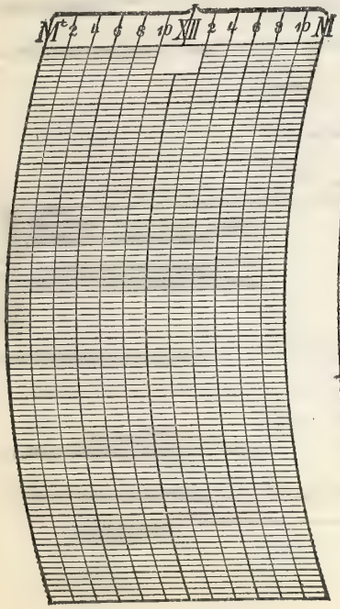
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
81	68	74	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .49 ins.; to 7 p. m., .04 ins.
Total precipitation, midnight to midnight, .53 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 3.8 Possible sunshine, hours, 13.3
Per cent of possible sunshine, 29
Prevailing wind direction, S Total wind 297
Average hourly velocity, 12.4 Extreme velocity, 27
Maximum velocity, 26 Direction, SW
Time began, 2:44 p.m.
Reduced barometer, 29.99 7 a. m. 29.97 7, p. m.
River gage, 2.2 Feet
Relative humidity, 95 7 a. m. 76 7 p. m.

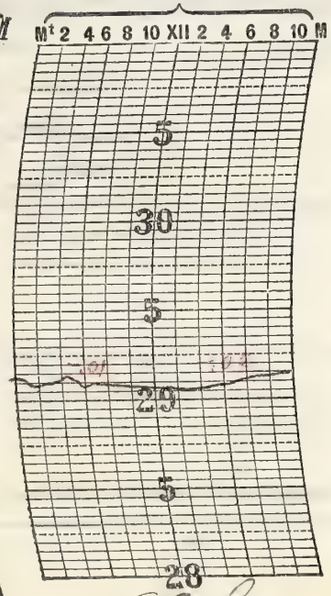
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 80.6 Wet temperature, 72.0
Dew-point, 68 R. humidity, 66 V. pressure, .684
Clouds: Amount, 4 ; Kind, Cu ; Direction, SW
Velocity of clouds (miles per hour)

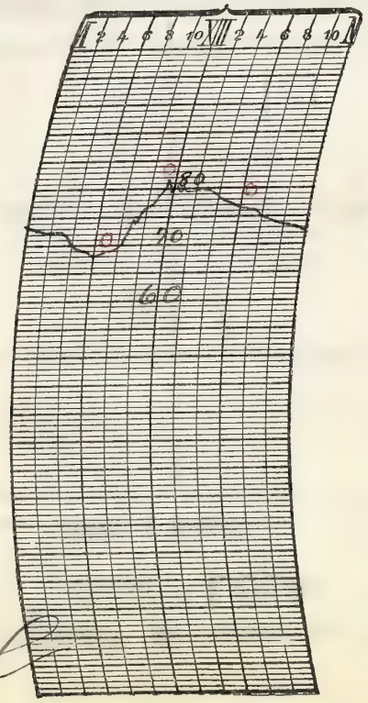
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A thunderstorm moving from the west commenced during the night a.m. (between 3 and 4 o'clock) and ended at 8:10 a.m. It was accompanied by light precipitation and slight peals of thunder.
A cloudy and warm day.

Prepared by
Verified by P. M. Hornsby

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) ....., (*Day of week*) ....., (*Date*) ....., 192

Time (local standard) 90 mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	71	71	71	71	71	71	73	75	78	80	81	83
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Pt. Cloudy →			Clear		→ Pt. Cloudy ←	
Sunshine (in tenths of hours)						0	0	0.4	0.8	1.0	1.0	0.6
Wind direction	SW	SW	SW	S	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	7	7	6	8	7	7	8	12	11	12	11	11

Sunrise: Time, 5:04; Character, Cloudy. Moonrise: —

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	84	85	85	86	84	82	80	79	77	76	74	73
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Cloudy →			← Pt. Cloudy →			← Clear			→		
Sunshine (in tenths of hours)	0.5	0.8	0.6	1.0	0.3	0	0					
Wind direction	SW	SW	SW	SW	SW	SW	SW	S	S	SW	SW	S
Wind movement	12	13	12	11	10	7	6	6	7	9	7	6

Sunset: Time, 6:21; Character, Cloudy. Moonset: 2:43 p.

Maximum velocities (exceeding 25 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

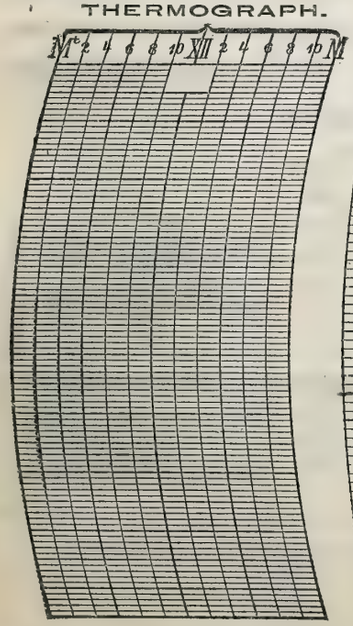
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
86	71	78	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy. Moon phase, ...
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 7.0 Possible sunshine, hours, 13.3
Per cent of possible sunshine, 53
Prevailing wind direction, SW Total wind 213
Average hourly velocity, 8.9 Extreme velocity, 15
Maximum velocity, 14 Direction, SW
Time began, 7:35 a.m.
Reduced barometer, 30.09 7 a. m. 30.06 7 p. m.
River gage, 2.0 Feet
Relative humidity, 86 7 a. m. 68 7 p. m.

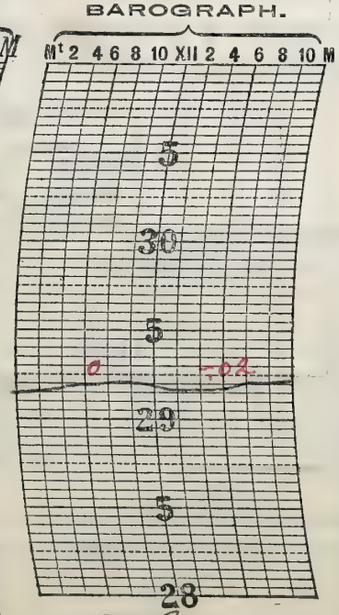
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 83.3 Wet temperature, 72.0
Dew-point, 67 R. humidity, 58 V. pressure, .661
Clouds: Amount, 8; Kind, Cu.; Direction, N.
Velocity of clouds (miles per hour) .....

THERMOGRAPH.



BAROGRAPH.



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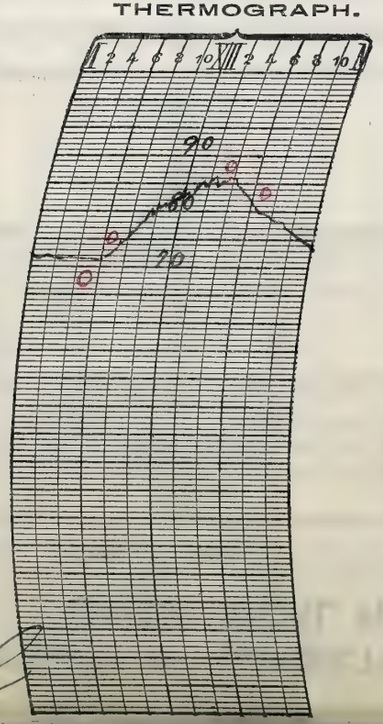


NOTES.

Prepared by CCS

Verified by W. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) Monday, (Date) [illegible], 192

Time (local standard) 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	72	71	71	70	69	69	71	76	81	83	85	86
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Clear						
Sunshine (in tenths of hours)						.98 0	1.0 0	.04 0.6	1.0	1.0	1.0	1.0
Wind direction	S	S	S	S	S	S	S	SW	SW	SW	SW	SW
Wind movement	5	6	7	7	7	7	6	9	11	12	14	13

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	86	88	87	86	85	82	80	78	76	75	74	72
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												
Sunshine (in tenths of hours)	0.9	1.0	1.0	1.0	0.3	0	0					
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	13	14	13	13	13	10	6	8	8	9	9	7

Sunrise: Time, 5:04; Character, Clear. Moonrise: 12:56a

Sunset: Time, 6:12; Character, Cloudy. Moonset: 3:35p

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
88	69	78	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear. Moon phase,

Average daily cloudiness (0-10), 2

Actual sunshine, hours, 11.1 Possible sunshine, hours, 15.2

Per cent of possible sunshine, 84

Prevailing wind direction, SW Total wind 227

Average hourly velocity, 9.5 Extreme velocity, 12

Maximum velocity, 17 Direction, SW

Time began, 9:57 a.m.

Reduced barometer, 30.15 7 a. m. 30.07 7 p. m.

River gage, 2.0 Feet.

Relative humidity, 78 7 a. m. 65 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

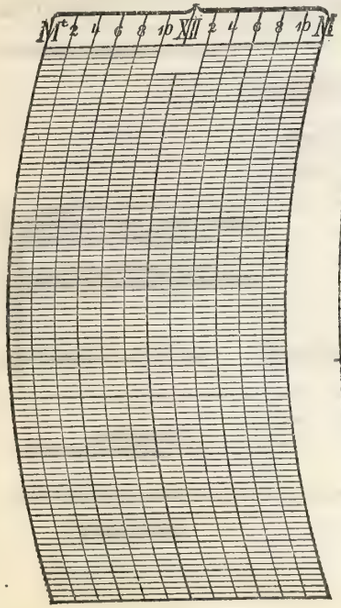
Dry temperature, 85.0 Wet temperature, 71.0

Dew-point, 64 R. humidity, 50 V. pressure, .595

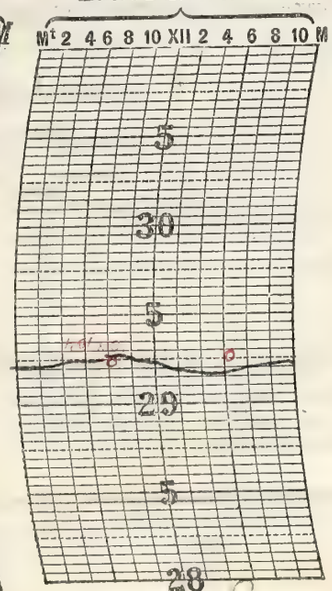
Clouds: Amount, 3; Kind, Cu; Direction, NW.

Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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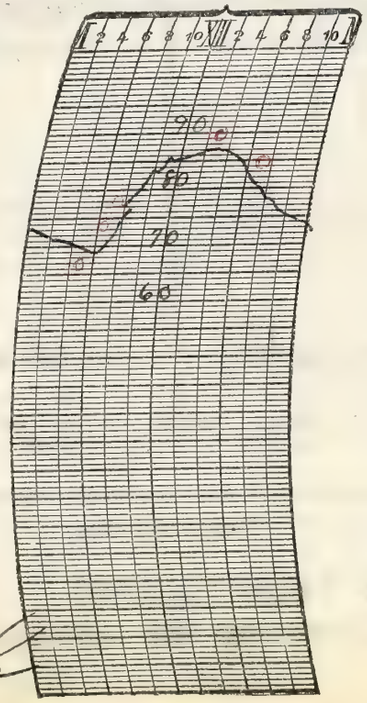


NOTES.

A clear and rather warm day

Prepared by C. M. Donough

Verified by [illegible]

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) [illegible], (Date) [illegible], 192

Time (local standard). 90° mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	71	70	70	69	68	69	75	76	81	84	86	87
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						←			Clear			
Sunshine (in tenths of hours)						0	0	0.5	1.0	1.0	1.0	1.0
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	9	9	8	8	9	8	10	13	13	17	13	13

Sunrise: Time, 5:05; Character, Cloudy. Moonrise: 2:02a

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	88	89	88	87	86	83	82	79	77	76	74	73
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					Clear							
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	0.5	0	0					
Wind direction	SW	SW	SW	SW	SW	SW	W	W	SW	SW	SW	SW
Wind movement	15	14	15	15	13	10	5	5	7	6	8	8

Sunset: Time, 6:17; Character, Clear. Moonset: 4:23p

Maximum velocities (exceeding 20 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

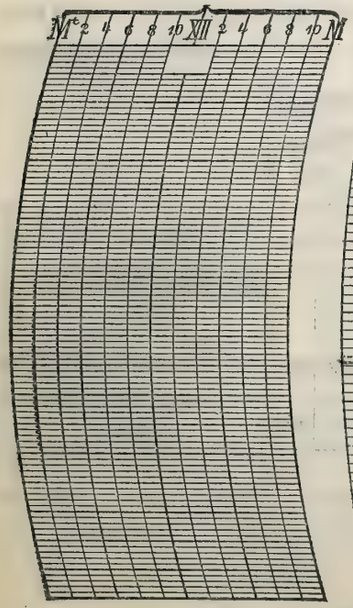
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
89	68	78	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 10.8 Possible sunshine, hours, 13.2
Per cent of possible sunshine, 82
Prevailing wind direction, SW Total wind 2.51
Average hourly velocity, 10.5 Extreme velocity, 31
Maximum velocity, 20 Direction, SW
Time began, 9:09 a.m.
Reduced barometer, 30.15 7 a. m. 30.08 7 p. m.
River gage, 2.0 feet
Relative humidity, 72 7 a. m. 56 7 p. m.

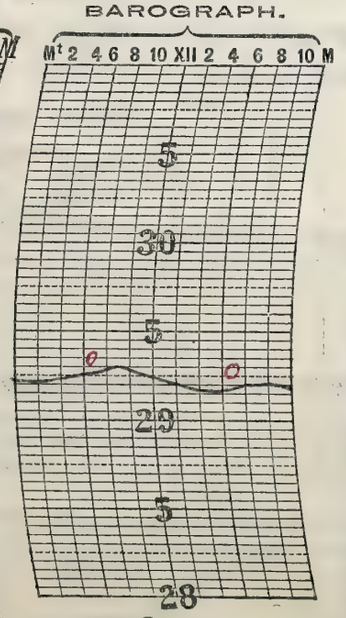
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 86.2 Wet temperature, 77.0
Dew-point, 66 R. humidity, 60 V. pressure, 0.38
Clouds: Amount, 2; Kind, Cu; Direction, W.
Velocity of clouds (miles per hour)

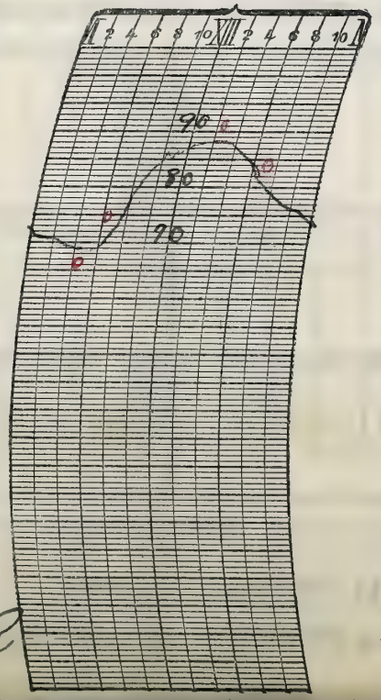
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A clear and very warm day, the maximum temperature being the highest recorded during the month.

Prepared by [illegible]
Verified by [illegible]

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) _____, (Date) _____, 192

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	73	73	72	72	71	71	72	78	79	80	85	87
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						←	Pt. Cloudy				→ Clear	
Sunshine (in tenths of hours)						0	0	0.5	0.2	0.1	0.4	1.0
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	8	8	7	6	6	8	9	10	10	11	7	9

Sunrise: Time, 5:07 Character, Cloudy
Moonrise: 3:15a

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	88	88	86	86	86	83	83	80	77	76	75	74
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					Pt. Cloudy		→	Clear				
Sunshine (in tenths of hours)	0.8	0.9	0.9	0	0.1	0	0					
Wind direction	W	SW	NW	W	W	W	W	W	SW	SW	SW	SW
Wind movement	9	11	10	9	9	7	4	4	6	7	6	6

Sunset: Time, 6:16 Character, Cloudy
Moonset: 5:06p

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.

Excessive precipitation, accumulated amounts

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

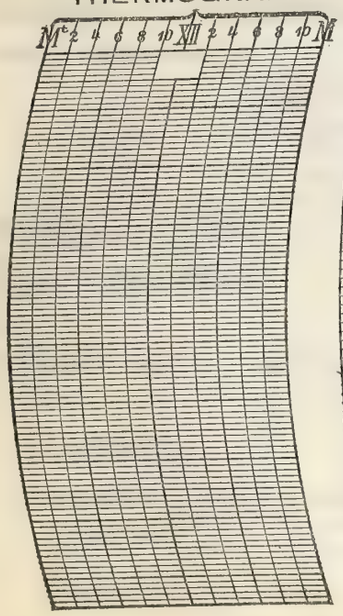
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
89	71	80	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase, _____
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 4.9 Possible sunshine, hours, 13.2
Per cent of possible sunshine, 37
Prevailing wind direction, SW Total wind 187
Average hourly velocity, 7.8 Extreme velocity, 15
Maximum velocity, 14 Direction, W
Time began, 2:48 p.m.
Reduced barometer, 30.11 7 a. m. 30.05 7 p. m.
River gage, 2.0 Feet
Relative humidity, 86 7 a. m. 60 7 p. m.

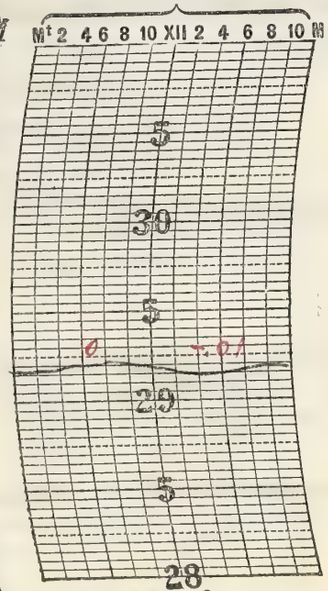
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 85.2 Wet temperature, 73.0
Dew-point, 68 R. humidity, 56 V. pressure, .684
Clouds: Amount, 2; Kind, Cu; Direction, N.W.
Velocity of clouds (miles per hour)

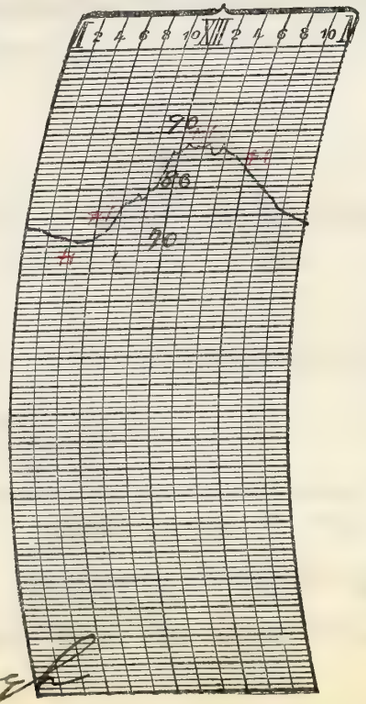
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A fairly cloudy and very warm day.

Prepared by C. W. S.
Verified by J. M. Donovan

8—180

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Thursday, (Date) 21, 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	72	71	71	70	70	71	72	80	82	85	87	88
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Clear					× Pt. Cldy	
Sunshine (in tenths of hours)						0	1.0 0	0.1 0.9	1.0	1.0	0.9	0.7
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	5	7	6	7	6	6	6	8	7	9	11	11

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	89	89	88	87	77	75	75	74	74	74	73	72
State of weather: Nature of precipitation and time of beginning and ending						RB 5:27 RE 5:43						
Amounts of precipitation						T						
Cloudiness and other conditions						Cloudy ×	Pt. Cloudy ×	Cloudy →				
Sunshine (in tenths of hours)	1.0	0.4	0.7	0.7	0	0	0					
Wind direction	SW	SW	SW	SW	SW	SW	SW	S	S	S	S	S
Wind movement	10	12	16	14	14	8	4	5	5	6	7	8

Sunrise: Time, 5:08 Character, Cloudy
Moonrise: 4:29 a.
Sunset: Time, 6:14 Character, Cloudy
Moonset: 5:45 p.

Maximum velocities (exceeding 20 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

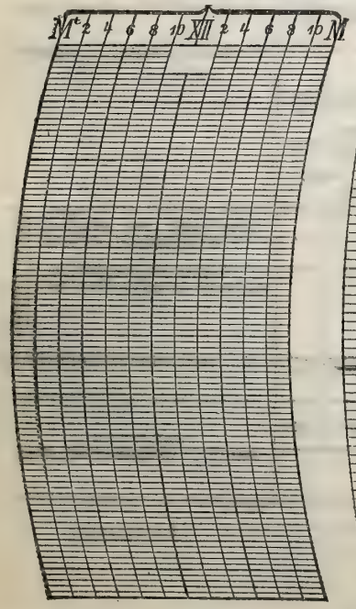
Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
89	70	80	

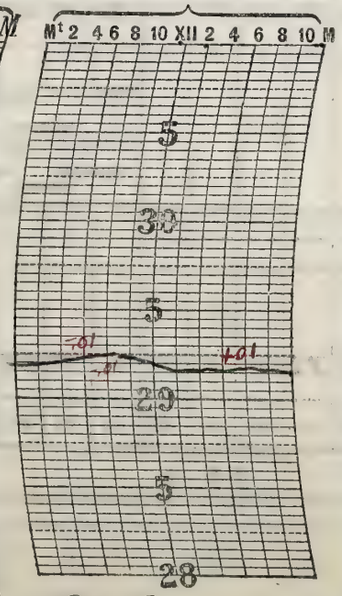
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt. Cloudy Moon phase, New 8:33 p.m.
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 8.4 Possible sunshine, hours, 13.1
Per cent of possible sunshine, 64
Prevailing wind direction, SW Total wind 198
Average hourly velocity, 8.2 Extreme velocity, 24
Maximum velocity, 22 Direction, SW
Time began, 4:15 p.m.
Reduced barometer, 30.12 7 a. m. 30.07 7 p. m.
River gage, 1.9 Feet
Relative humidity, 86 7 a. m. 80 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 87.0 Wet temperature, 72.5
Dew-point, 66 R. humidity, 50 V. pressure, 638
Clouds: Amount, 6; Kind, Cu; Direction, SW
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.

NOTES.

A thunderstorm of light intensity, moving from the southwest began at 4:50 p.m., and ended at 5:43 p.m., accompanied by a sprinkle of rain.

Prepared by C. C. S.
Verified by T. M. Donnaghy

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) _____, (Date) _____, 192

Time (local standard). 90° mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	72	72	71	71	71	71	74	75	78	81	83	86	86	87	86	68	69	74	74	73	73	75	73	72
															RB 2:50	RF 3:30								
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation															.18	.21								
Cloudiness and other conditions						← Pt. Cloudy								→	Cloudy									
Sunrise: Time, 5:09; Character, Clear																					Sunset: Time, 6:12; Character, Cloudy			
Moonrise: 5:43a																					Moonset: 6:34p			
Sunshine (in tenths of hours)						.85 0	1.0 0	0.4 0.1	0.8	0.6	0.7	0.9	0.8	1.0	0.3	0	0	0	0					
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	S	S	S	S	SW	SW	SW
Wind movement	7	8	8	8	7	8	8	11	10	11	11	14	14	15	15 31 SW 2:52	8	5	5	5	5	9	15	12	10
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
88	67	78	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., .34 ins.

Total precipitation, midnight to midnight, .34 inches.

Character of day, Pt. Cloudy Moon phase, _____

Average daily cloudiness (0-10), 6

Actual sunshine, hours, 7.4 Possible sunshine, hours, 13.0

Per cent of possible sunshine, 57

Prevailing wind direction, SW Total wind 229

Average hourly velocity, 9.5 Extreme velocity, 39

Maximum velocity, 31 Direction, SW

Time began, 2:55 p.m.

Reduced barometer, 30.09 7 a. m. 29.92 7 p. m.

River gage, 1.9 Feet

Relative humidity, 84 7 a. m. 84 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

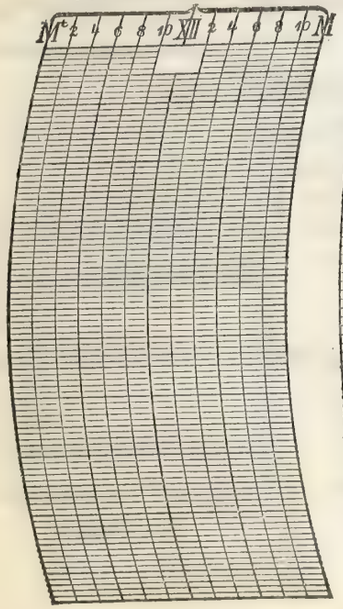
Dry temperature, 85.1 Wet temperature, 72.9

Dew-point, 68 R. humidity, 56 V. pressure, .684

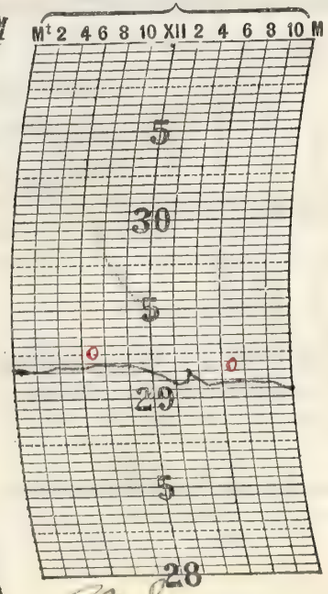
Clouds: Amount, 5; Kind, Cu; Direction, NW

Velocity of clouds (miles per hour)

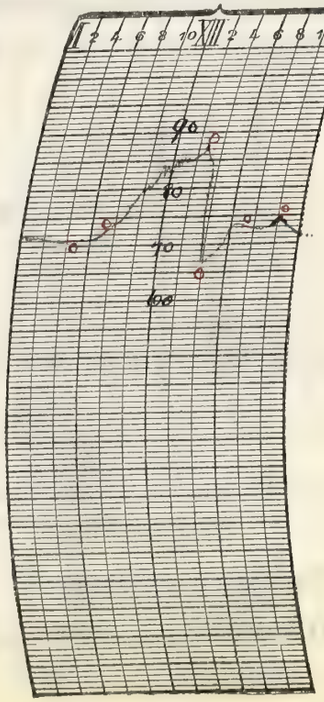
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A thunderstorm of light intensity moving from the west and accompanied by a moderate fall of rain began at 2:55 p.m., and ended at 3:30 p.m.

A partly cloudy day with somewhat high temperature previous to the storm and though they fell during the storm rate immediately following the same and the weather was rather warm and muggy.

Prepared by _____

Verified by P. McDonough

E—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) [illegible], (Date) [illegible], 192

Time (local standard) 90 mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	70	69	68	68	68	68	70	73	75	74	77	79
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						Clear			Cloudy			
Sunshine (in tenths of hours)						0	0	0	0	0	0	0.4
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	9	6	7	4	6	8	6	7	9	11	11	8

Sunrise: Time, 5:10; Character, Cloudy. Moonrise: 6:36a

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	78	82	78	78	78	77	76	76	75	75	74	73
State of weather: Nature of precipitation and time of beginning and ending											RB 10:17	---
Amounts of precipitation											T	T
Cloudiness and other conditions							Pt. Cloudy				Cloudy	
Sunshine (in tenths of hours)	0.2	0.7	0.3	0	0	0	0					
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	S	S	SE	W
Wind movement	11	11	12	9	7	6	3	3	2	2	3	6

Sunset: Time, 6:11; Character, Cloudy. Moonset: 7:02p.

Maximum velocities (exceeding 29 miles) direction and time

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
82	68	75	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., [illegible] ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Pt. Cloudy Moon phase,

Average daily cloudiness (0-10), 7

Actual sunshine, hours, 1.6 Possible sunshine, hours, 13.0

Per cent of possible sunshine, 12

Prevailing wind direction, SW Total wind 167

Average hourly velocity, 7.0 Extreme velocity, 16

Maximum velocity, 15 Direction, SW

Time began, 1:59 P. M.

Reduced barometer, 29.99 7 a. m. 29.88 7 p. m.

River gage, 1.9 Feet.

Relative humidity, [illegible] 7 a. m. 80 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

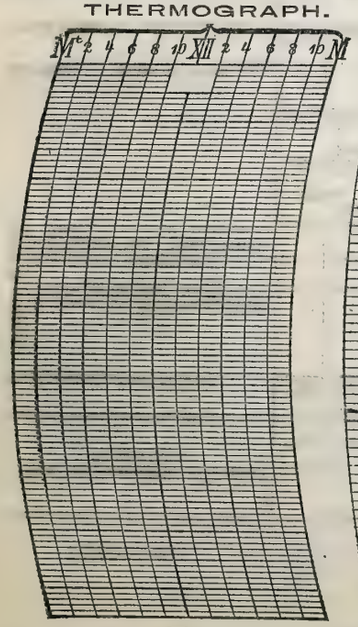
Dry temperature, 79.0 Wet temperature, 73.0

Dew-point, 70 R. humidity, 85 V. pressure, .722

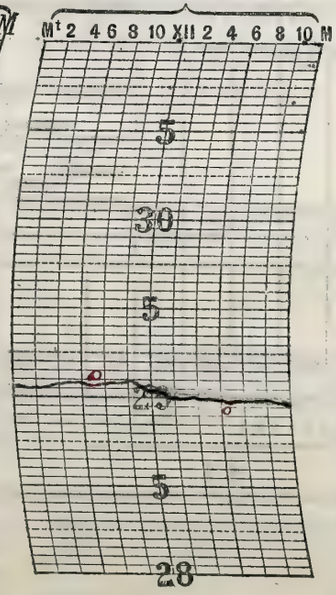
Clouds: Amount, 7; Kind, Cu; Direction, NW

Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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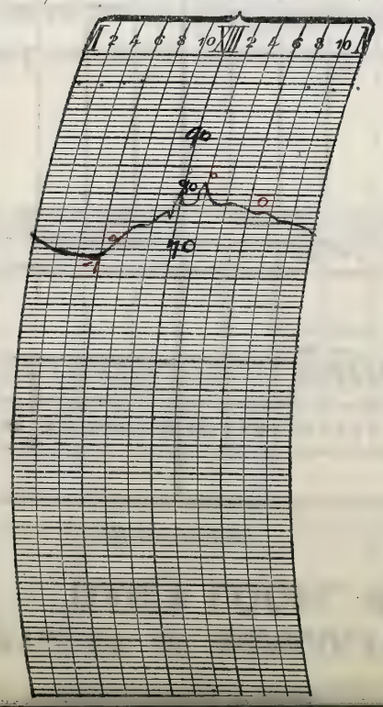


NOTES.

The weather was mostly partly cloudy, with drizzling rain in the late p.m. It were intensely humid and enervating, although temperatures were only moderately high.

Prepared by [illegible]

Verified by [illegible]

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) _____, (Date) _____, 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	72	72	71	71	70	70	71	73	74	76	78	79
State of weather: Nature of precipitation and time of beginning and ending		RE DN.					RB 620	RE 730				
Amounts of precipitation	.01	T					.02	T				
Cloudiness and other conditions		L	Cloudy							H		

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	81	83	81	80	80	78	77	75	74	74	73	71
State of weather: Nature of precipitation and time of beginning and ending											RB 1050	
Amounts of precipitation											T	.58
Cloudiness and other conditions		Pt. Cloudy								7	Cloudy	

Sunrise: Time, 5:11 Character, Cloudy
Moonrise: 8:06a

Sunset: Time, 6:02 Character, Cloudy
Moonset: 7:32p

	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)						0	0	01	01	02	04	07
Wind direction	NW	W	W	W	W	W	W	W	SW	SW	SW	SW
Wind movement	5	4	4	4	5	4	3	3	6	6	7	10
Maximum velocities (exceeding 29 miles) direction and time												

	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)	09	08	09	07	03	0	0					
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	11	11	13	12	11	10	6	6	6	7	8	6

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
83	70	76	

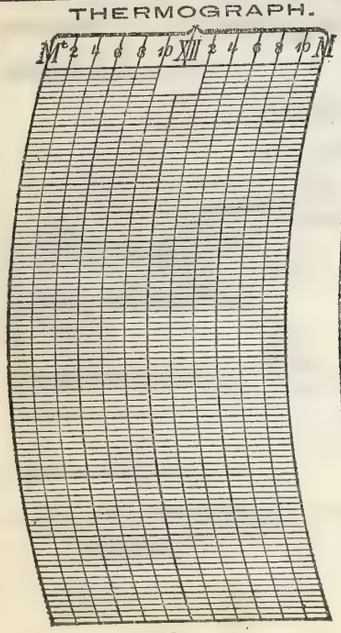
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .03 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, 0.61 inches.
Character of day, Cloudy Moon phase, _____
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 5.1 Possible sunshine, hours, 13.0
Per cent of possible sunshine, 39
Prevailing wind direction, SW Total wind 168
Average hourly velocity, 7.0 Extreme velocity, 16
Maximum velocity, 15 Direction, SW
Time began, 2:10 pm
Reduced barometer, 29.90 7 a. m. 29.84 7 p. m.
River gage, 2.0 feet
Relative humidity, 95 7 a. m. 80 7 p. m.

Excessive precipitation, accumulated amounts	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
	10:50 pm	D. N. a. of 5th	0.58	11:22 pm	11:52 pm	0.01	.10	.20	.35	.41	.46	.55								

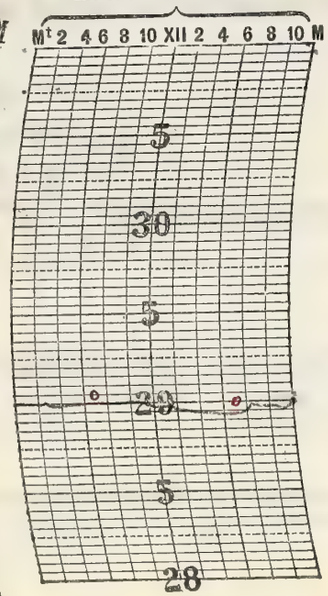
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 81.0 Wet temperature, 74.0
Dew-point, 71 R. humidity, 72 V. pressure, .757
Clouds: Amount, 7; Kind, St. Cu. Direction, SW
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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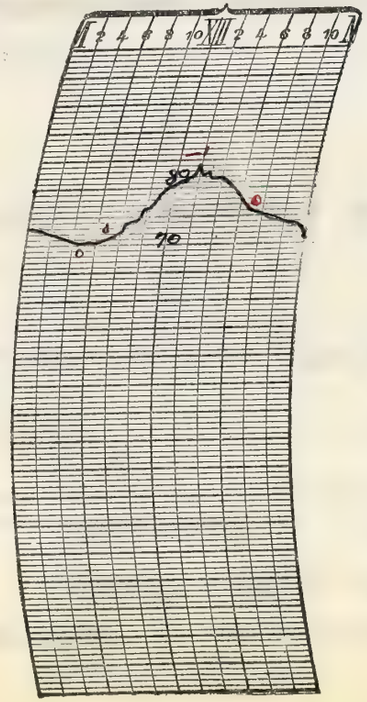


NOTES.

The weather was largely cloudy with high humidity and unpleasant although moderate temperatures prevailed. A moderate thunderstorm began at 11:10 pm and ended during the late night. It was attended by moderately heavy rain which began at 10:50 pm. The rain continued after midnight but it was quite light.

Prepared by _____
Verified by J. C. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) [illegible], 192

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	71	70	70	69	68	68	70	71	72	73	77	80	76	75	73	72	73	72	71	69	66	64	62	62
State of weather: Nature of precipitation and time of beginning and ending	RE DN.																							
Amounts of precipitation	T																							
Cloudiness and other conditions					< Pt. Cloudy >				< Cloudy >				< Pt. Cloudy >		< Cloudy >		< Pt.-Cloudy- >							
Sunrise: Time, 5:11 Character, Cloudy																								
Moonrise: 9:15a																								
Sunset: Time, 6:28 Character, Cloudy																								
Moonset: 8:16p																								
Sunshine (in tenths of hours)						0	0	0	0	0.1	0.7	0.7	0.1	0	0	0	0	0	0					
Wind direction	SW	S	SW	SW	W	W	NW	NW	NW	NW	NW	NW	W	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	4	8	12	11	13	9	8	9	9	7	9	7	9	10	11	10	8	5	4	7	8	6	6	4
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

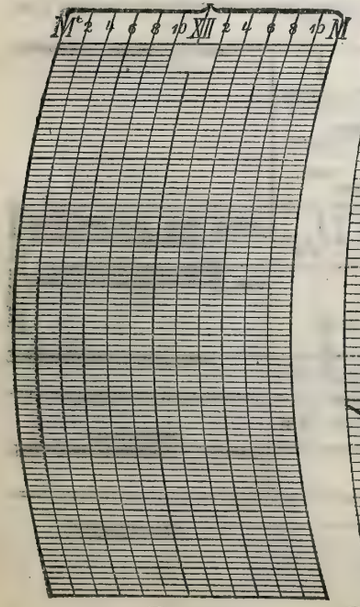
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
80	62	71	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m. 0.58 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 1.6 Possible sunshine, hours, 13.0
Per cent of possible sunshine, 12
Prevailing wind direction, NW Total wind 194
Average hourly velocity, 81 Extreme velocity, 15
Maximum velocity, 14 Direction, NW
Time began, 2.09 pm
Reduced barometer, 29.90 7 a. m. 29.93 7, p. m.
River gage, 2.1 feet
Relative humidity, 87 7 a. m. 79 7 p. m.

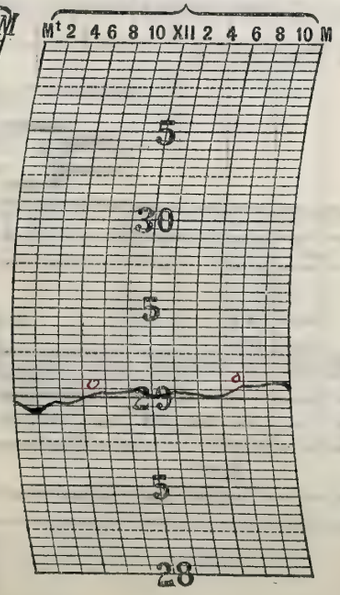
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 79.0 Wet temperature, 72.0
Dew-point, 69 R. humidity, 71 V. pressure, .707
Clouds: Amount, 7; Kind, Cu.; Direction, NW
Velocity of clouds (miles per hour)

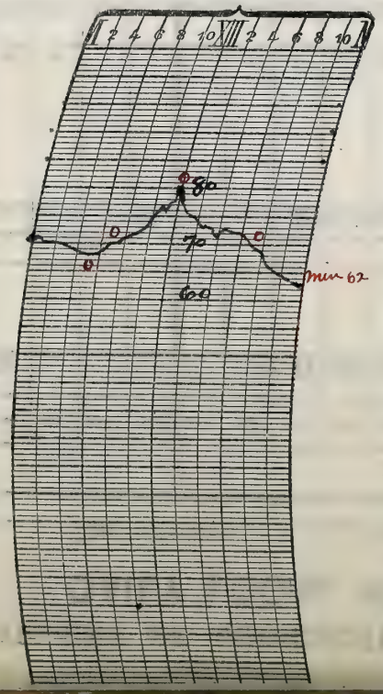
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The weather during the day was generally partly cloudy and temperatures moderate. The day, as a wholy was quite pleasant.

Prepared by [illegible]
Verified by [illegible]

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) Tuesday, (Date) _____, 192

Time (local standard). 90° mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	61	60	59	59	59	60	61	64	68	71	74	75
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												
Sunshine (in tenths of hours)						0	0	0	0.4	1.0	1.0	1.0
Wind direction	NW	N	N	N	N	N	N	N	NE	NE	NE	NE
Wind movement	5	5	4	5	7	5	6	5	6	11	10	7

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	76	77	77	77	77	74	72	68	67	65	65	62
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	0.5 0.5	1.0 0	0.5 0					
Wind direction	NE	NE	N	N	N	N	N	N	N	N	N	N
Wind movement	6	6	6	6	7	6	5	4	4	3	2	2

Cloudy — Pt. Cldy — Clear

Sunrise: Time, 5:12 Character, Cloudy

Moonrise: 10:20a

Sunset: Time, 6:06 Character, Clear

Moonset: 8:52p

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.

Excessive precipitation, accumulated amounts

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
78	59	68	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase, _____

Average daily cloudiness (0–10), 3

Actual sunshine, hours, 9.5 Possible sunshine, hours, 12.9

Per cent of possible sunshine, 74

Prevailing wind direction, N Total wind 133

Average hourly velocity, 5.5 Extreme velocity, 15

Maximum velocity, 14 Direction, NE

Time began, 9:53 a.m.

Reduced barometer, 30.03 7 a. m. 29.99 7 p. m.

River gage, 21 feet

Relative humidity, 75 7 a. m. 53 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

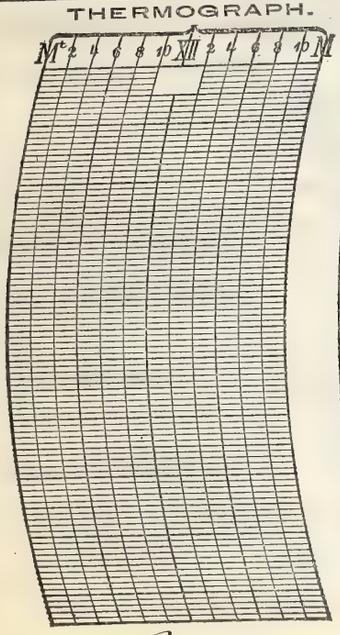
Dry temperature, 74.5 Wet temperature, 60.5

Dew-point, 51 R. humidity, 44 V. pressure, .373

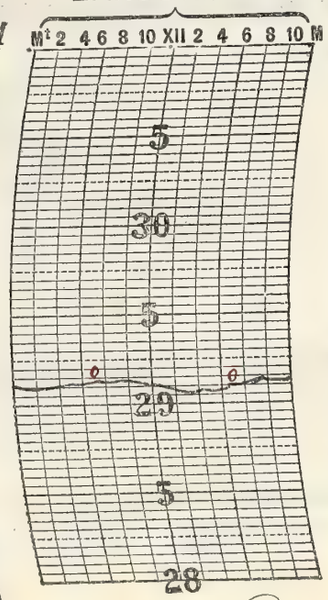
Clouds: Amount, 2; Kind, Cu; Direction, W

Velocity of clouds (miles per hour)

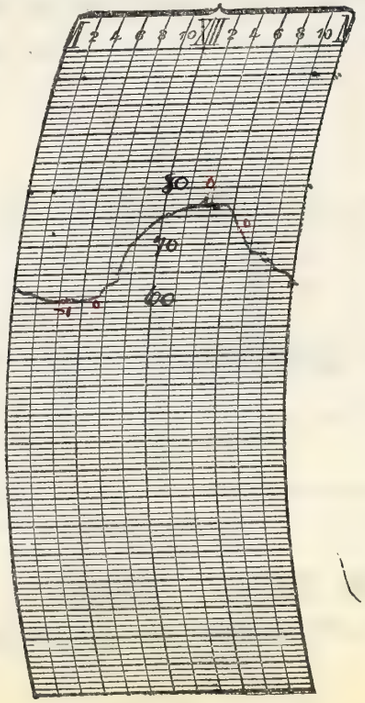
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Cloudy in the early morning, but generally clear from 9 a.m. Cool in the early morning, but pleasantly warm in the late forenoon and afternoon, the weather, as a rule being quite invigorating.

Prepared by } J. McDonough
Verified by }

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) [illegible], 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	59	59	58	57	57	57	61	68	73	74	76	78	79	79	80	79	78	77	74	71	70	67	66	64
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions																								
Sunshine (in tenths of hours)						0.78 0	1.0 0	0.3 0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3 0.8	1.0 0	1.0 0	0.07 0					
Wind direction	N	N	N	N	N	N	N	E	E	E	E	E	SE	E	E	NE	E	E	E	E	E	E	E	E
Wind movement	4	6	8	5	5	5	4	5	4	5	6	6	6	6	5	7	6	3	4	4	7	7	6	5
Maximum velocities (exceeding 29 miles) direction and time																								

Clear

Sunrise: Time, 5:13 Character, Clear

Moonrise: 11:25 a

Sunset: Time, 6:04 Character, Clear

Moonset: 9:39 p

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
80	57	68	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day Clear Moon phase,

Average daily cloudiness (0-10), 1

Actual sunshine, hours 12.8 Possible sunshine, hours, 12.8

Per cent of possible sunshine, 100

Prevailing wind direction, E Total wind 129

Average hourly velocity, 5.4 Extreme velocity, 9

Maximum velocity, 9 Direction, E

Time began, 8:53 PM.

Reduced barometer, 30.11 7 a. m. 30.05 7 p. m.

River gage, 2.0 feet

Relative humidity, 69 7 a. m. 48 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

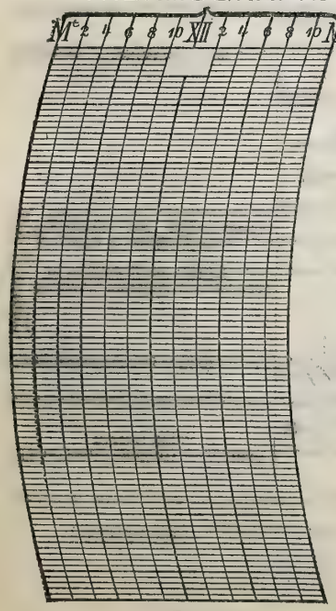
Dry temperature, 78.0 Wet temperature, 60.0

Dew-point, 47 R. humidity, 34 V. pressure, .322

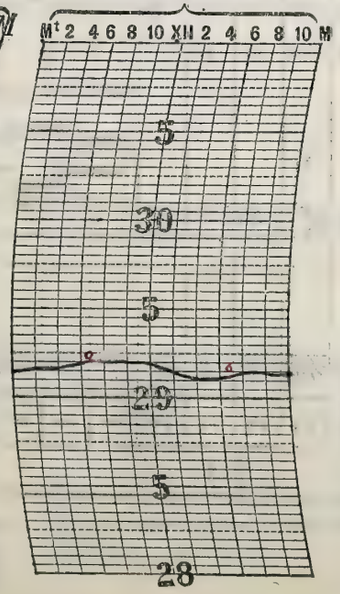
Clouds: Amount, 1; Kind, CU.; Direction, E

Velocity of clouds (miles per hour)

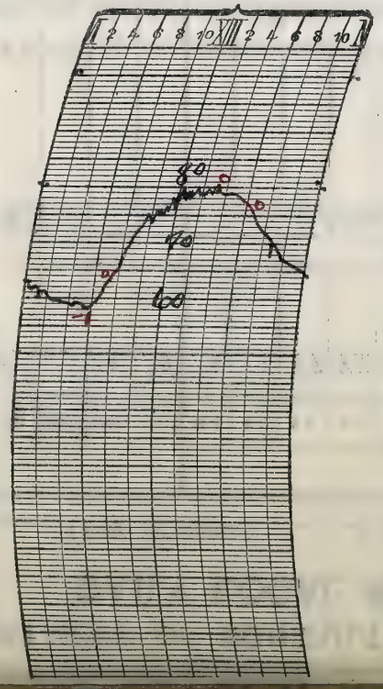
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The weather was almost cloudless throughout the day. It was exceptionally pleasant with the temperature ranging between 80° and 57°.

Prepared by J. M. Donough

Verified by

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Port Huron, Mich, (Day of week) Tuesday, (Date) Aug 192

Time (local standard). 90° mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	62	61	60	59	58	57	60	65	72	76	80	82	84	83	83	82	81	79	78	75	73	72	69	67
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						Pt. Cloudy										Pt.		Cloudy			Pt.			
Sunrise: Time, Character,	5:14 Cloudy																							
Moonrise:	12:11 pm																							
Sunset: Time, Character,																					6:03 Cloudy			
Moonset:																					10:25 pm			
Sunshine (in tenths of hours)						0	1.0	0.9	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.3	0	0	0					
Wind direction	E	E	E	E	NE	NE	E	E	E	E	SE	S	S	S	SE	S	S	S	S	S	S	O	S	S
Wind movement	4	4	3	5	4	4	5	5	4	4	5	6	7	7	7	7	5	6	4	2	2	0	4	3
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

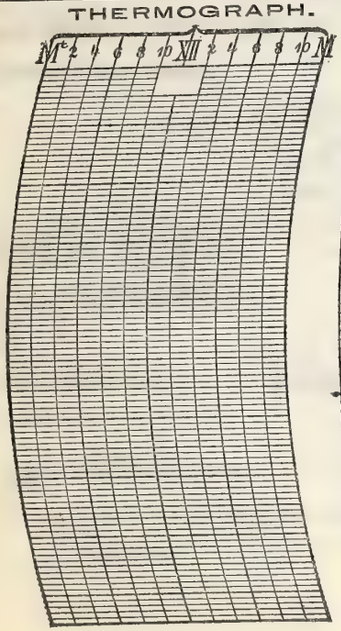
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
84	57	70	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day Pt. Cloudy Moon phase F.Q. 2:30 p.
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 9.0 Possible sunshine, hours, 12.8
Per cent of possible sunshine, 70
Prevailing wind direction, S Total wind 107
Average hourly velocity, 4.5 Extreme velocity, 12
Maximum velocity, 12 Direction, SW
Time began, 3:37 pm
Reduced barometer, 30.06 7 a. m. 29.99 7, p. m.
River gage, 1.9 feet
Relative humidity, 81 7 a. m. 57 7 p. m.

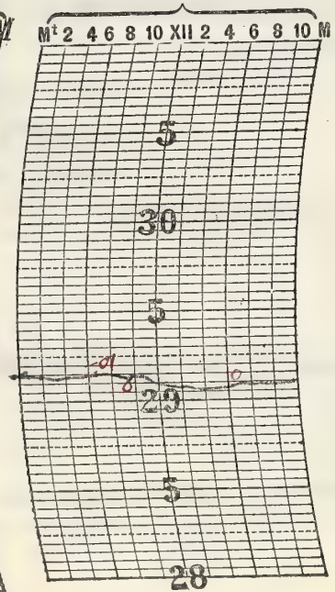
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 80.6 Wet temperature, 64.2
Dew-point, 54 R. humidity, 40 V. pressure, .417
Clouds: Amount, 4; Kind, Cu.; Direction, SW
Velocity of clouds (miles per hour)

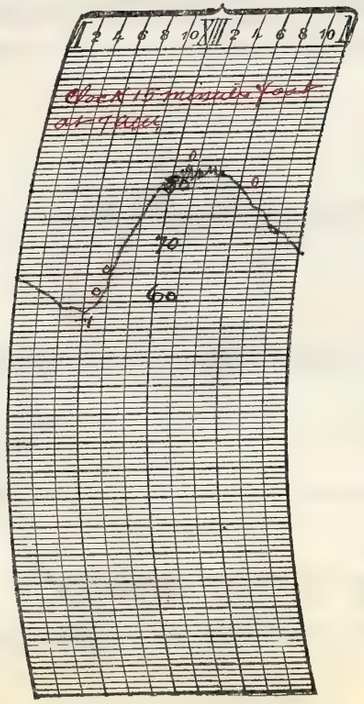
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Increasing cloudiness during the day and somewhat threatening in the late afternoon. Moderate temperatures obtained, except cool and invigorating in the early morning.

Prepared by } P. McDonough
Verified by }

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) _____, (Date) _____, 192

Time (local standard). 90° mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	66	65	64	63	63	64	66	71	78	81	82	83
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions				L	—	Clear	—	—	—	X Pt Cldy	X	
Sunshine (in tenths of hours)						0.75 0	0.6 0.4	1.0	1.0	1.0	1.0	1.0
Wind direction	S	S	SW	SW	SW	SW	W	W	SW	SW	SW	SW
Wind movement	4	4	3	3	3	3	2	2	5	4	6	5

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	85	82	84	84	83	81	80	77	75	74	73	72
State of weather. Nature of precipitation and time of beginning and ending												RB 11.25 RE D.N.
Amounts of precipitation												T
Cloudiness and other conditions	X	Clear	X	Pt Cloudy	X	—	—	Cloudy	—	—	7	
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0	0					
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	8	7	8	6	3	1	2	4	4	3	6	5

Sunrise: Time, 5:15 Character, Clear
Moonrise: 1:11 P.
Sunset: Time, 6:01 Character, Cloudy
Moonset: 11:14 P.

Maximum velocities (exceeding 29 miles) direction and time.

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

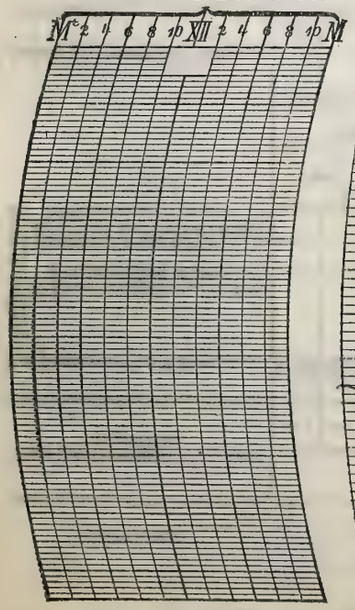
Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
85	63	74	

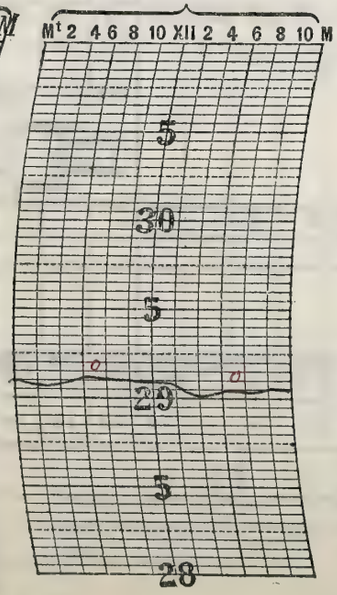
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt Cloudy Moon phase, _____
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 11.8 Possible sunshine, hours, 12.8
Per cent of possible sunshine, 92
Prevailing wind direction, SW Total wind 101
Average hourly velocity, 4.2 Extreme velocity, 12
Maximum velocity, 12 Direction, SW
Time began, 12:36 P.M.
Reduced barometer, 30.02 7 a. m. 29.93 7 p. m.
River gage, 19 feet
Relative humidity, 82 7 a. m. 57 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 83.5 Wet temperature, 67.1
Dew-point, 58 R. humidity, 43 V. pressure, .487
Clouds: Amount, 2; Kind, Cist; Direction, SW
Velocity of clouds (miles per hour) _____

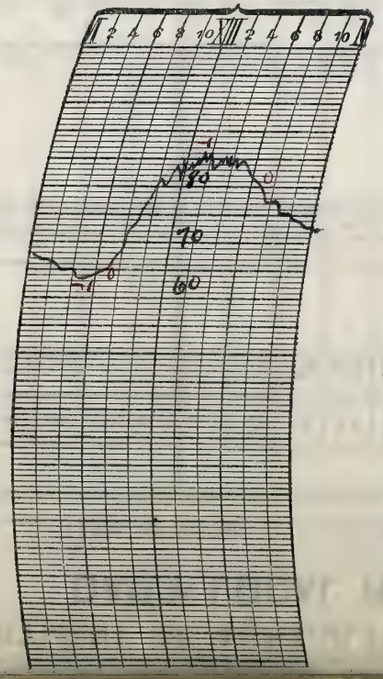
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The weather was generally partly Cloudy and moderately warm with a sprinkling of rain in the late night

Prepared by J. P. McDonough
Verified by _____

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) Saturday, (Date) [illegible], 192

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	71	71	69	68	68	67	69	74	77	78	78	74
State of weather: Nature of precipitation and time of beginning and ending											RB 10.12 RE 10.20	RB 11.04 RE 11.30 RB 11.48 RE 11.55
Amounts of precipitation											T	.04
Cloudiness and other conditions	L—Pt. Cloudy—L											
Sunrise: Time, Character,	5:16 Cloudy											
Moonrise:	1:58P											
Sunshine (in tenths of hours)						0	0.7	1.0	1.0	0.6	0.1	0
Wind direction	SW	SW	SW	S	S	S	S	SW	SW	W	SW	SW
Wind movement	2	3	4	3	4	6	7	9	9	8	4	6
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	78	79	82	81	73	76	76	74	73	72	71	70
State of weather: Nature of precipitation and time of beginning and ending					RB 4.35	RE 5.30						
Amounts of precipitation					.12	.10						
Cloudiness and other conditions	Cloudy								T			
Sunset: Time, Character,									7.59 Cloudy			
Moonset:												
Sunshine (in tenths of hours)	0.8	1.0	0.8	0.9	0	0						
Wind direction	SE	SE	SE	S	S	W	W	W	W	SW	SW	SW
Wind movement	6	7	7	9	11	9	7	6	5	5	8	8

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
82	67	74	

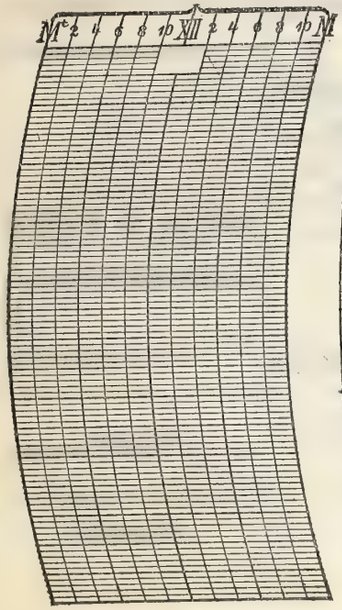
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m. T ins.; to 7 p. m. .23 ins.
Total precipitation, midnight to midnight, 0.23 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10),
Actual sunshine, hours, 6.9 Possible sunshine, hours, 12.7
Per cent of possible sunshine, 54
Prevailing wind direction, SW Total wind 153
Average hourly velocity, 6.4 Extreme velocity, 16
Maximum velocity, 15 Direction, SW
Time began, 4.36 p.m.
Reduced barometer, 29.97 7 a. m. 29.92 7, p. m.
River gage, 7.0 feet
Relative humidity, 91 7 a. m. 86 7 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

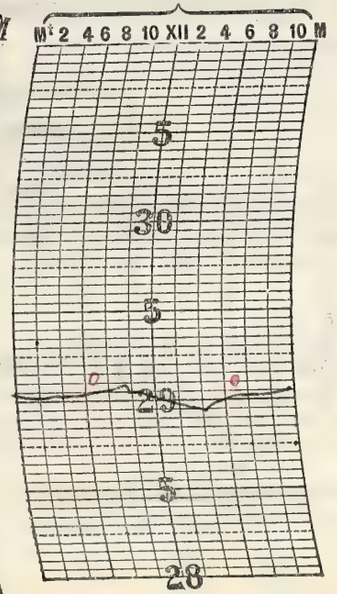
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 77.0 Wet temperature, 72.5
Dew-point, 71 R. humidity, 81 V. pressure, .757
Clouds: Amount, 9; Kind, Cu; Direction, S
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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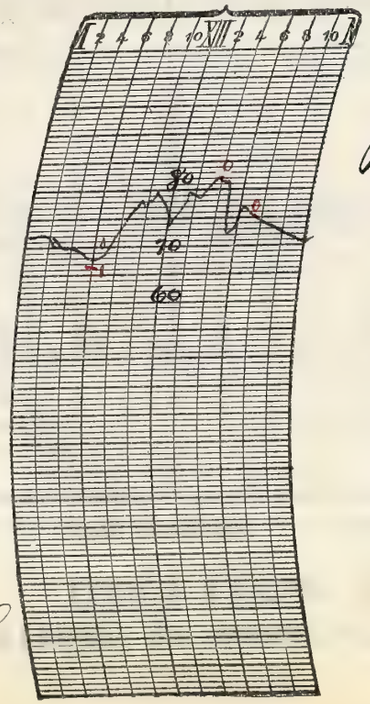


NOTES.

Increasing cloudiness from the early morning, the day being generally cloudy, warm and renovating, with showers in the forenoon and afternoon.
A thunderstorm of slight intensity occurred between 11 am. and 11:30 am. It moved from the west. Another moderate thunderstorm moved from the southwest from 5 pm to 5:30 pm.

Prepared by
Verified by F. M. Donough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) [illegible], (Date) [illegible], 192

Time (local standard). 90 mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	69	69	68	68	68	70	72	74	68	67	68	74
State of weather. Nature of precipitation and time of beginning and ending									RB 8.28		RE 10.50	
Amounts of precipitation									.05	.07	.15	
Cloudiness and other conditions				L	—	—	Cloudy	—	—	—	—	X
Sunrise: Time, Character, 5:17 Cloudy												
Moonrise: 2:41 p												
Sunshine (in tenths of hours)						0	0.4	0	0	0	0.2	1.0
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	W	N	W	NE
Wind movement	8	8	8	7	6	7	8	8	16	10	8	7
Maximum velocities (exceeding 20 miles) direction and time												

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	78	79	79	78	77	77	72	70	68	67	66	64
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	—	Partly	Cloudy	—	—	—	—	X	Clear			
Sunset: Time, Character, 5:57 Cloudy												
Moonset: 12:06 a												
Sunshine (in tenths of hours)	1.0	0.9	0.5	1.0	0.9	0.2						
Wind direction	E	SW	NW	NW	NW	NW	N	NW	NW	NW	NW	NW
Wind movement	4	4	7	9	10	9	7	6	7	4	4	5
Maximum velocities (exceeding 20 miles) direction and time												

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

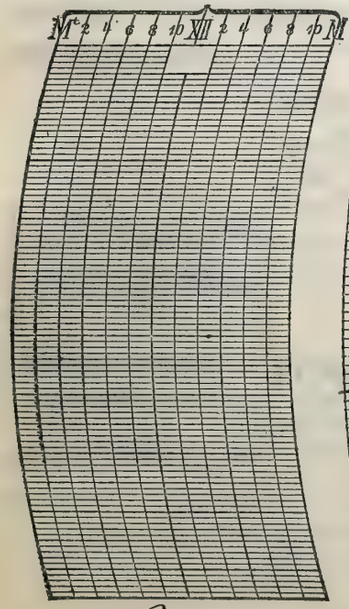
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
79	64	72	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .27 ins.
Total precipitation, midnight to midnight, 0.27 inches.
Character of day Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 6.1 Possible sunshine, hours, 12.7
Per cent of possible sunshine, 48
Prevailing wind direction, SW & NW Total wind 177
Average hourly velocity, 7.4 Extreme velocity, 24
Maximum velocity, 23 Direction, W
Time began, 8.27 am
Reduced barometer, 29.98 7 a. m. 30.05 7 p. m.
River gage, 2.0 feet
Relative humidity, 90 7 a. m. 75 7 p. m.

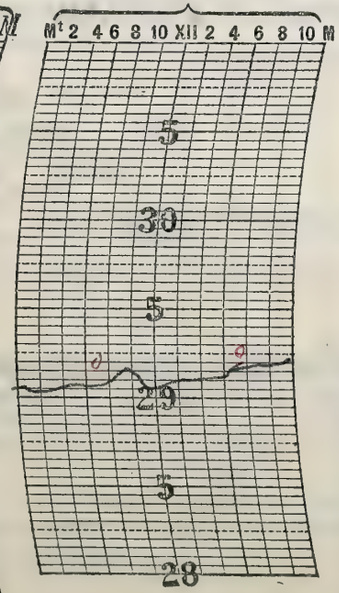
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 72.5 Wet temperature, 69.0
Dew-point, 67 R. humidity, 84 V. pressure, .661
Clouds: Amount, 4 1; Kind, cirr. cu. st.; Direction, NW NW E
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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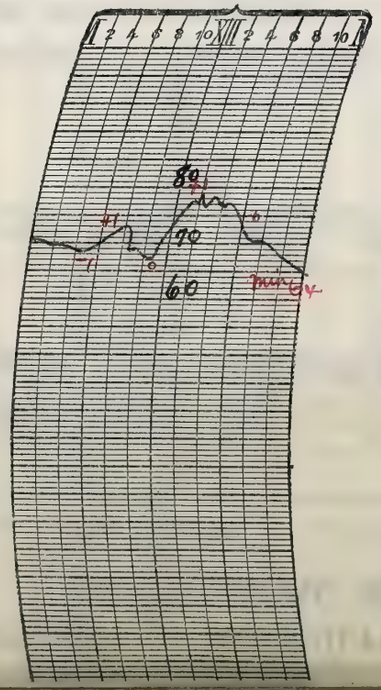


NOTES.

Forenoon generally cloudy, with a thunder shower from 8.28 am till 10.50 am, afternoon mostly partly cloudy and night generally clear. Mild temperatures prevailed, but the air was intensely humid, except at night.

A thunderstorm which developed to the westward moved eastward, and lasted from 8.20 am till 10.50 am.

Prepared by } P. M. Donough
Verified by }

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) ....., 192

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	63	62	61	61	59	59	62	67	70	72	74	77
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												
Sunshine (in tenths of hours)						0	0.8	1.0	1.0	1.0	1.0	1.0
Wind direction	NW	NW	NW	NW	NW	NW	NW	N	NE	NE	N	NW
Wind movement	5	4	5	3	3	4	1	5	7	5	3	5
Maximum velocities (exceeding 27 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	78	78	78	77	76	73	72	69	67	65	64	62
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	0.1	0						
Wind direction	N	NW	N	NW	N	N	N	N	N	N	N	N
Wind movement	5	7	8	8	4	4	3	4	6	6	4	3
Maximum velocities (exceeding 27 miles) direction and time												

Clear — Pt. cloudy — Clear

Sunrise: Time, 5.19 Character, Clear

Moonrise: 3.19p

Sunset: Time, 5.36 Character, Cloudy

Moonset: 12.59a

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
79	57	68	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase, ...

Average daily cloudiness (0-10), 2

Actual sunshine, hours, 10.8 Possible sunshine, hours, 12.6

Per cent of possible sunshine, 86

Prevailing wind direction, N Total wind 112

Average hourly velocity, 4.7 Extreme velocity, 10

Maximum velocity, 10 Direction, NW

Time began, 1.20 pm

Reduced barometer, 30.22 7 a. m. 30.22 7 p. m.

River gage, 2.6 put

Relative humidity, 91 7 a. m. 60 7 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts .....

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

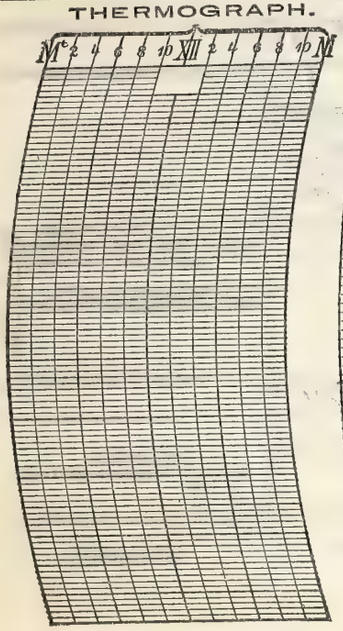
Dry temperature, 76.0 Wet temperature, 60.0

Dew-point, 49 R. humidity, 38 V. pressure, 347

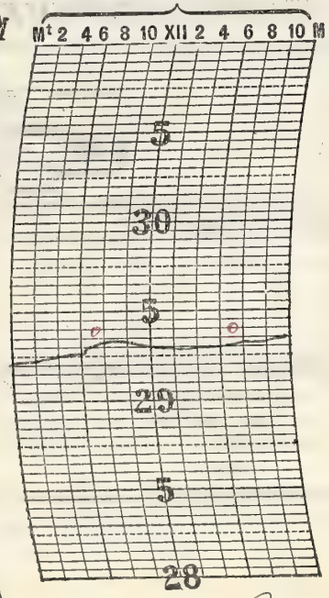
Clouds: Amount, 1; Kind Cirr.; Direction NW

Velocity of clouds (miles per hour) .....

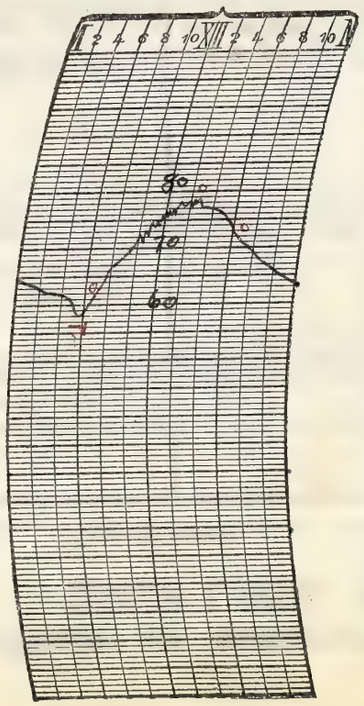
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The day was generally clear, but with cirro-stratus and alto-stratus clouds, from the west, in the afternoon. The early morning was cool, with heavy dew, but moderately warm temperature attained during the midday hours.

Prepared by .....

Verified by J. C. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) [illegible], (*Day of week*) _____, (*Date*) _____, 192

Time (local standard), 90° mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	61	60	58	58	57	58	59	65	67	68	72	75	77	78	78	78	77	72	71	68	68	65	64	62
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						L-Cloudy		-K	Pt-Cloudy		K					Clear								
Sunshine (in tenths of hours)						0	0	0.8	1.0	0.9	0.8	1.0	1.0	1.0	1.0	1.0	1.0	0.6 0.1						
Wind direction	N	N	NE	NE	NE	NE	NE	NE	E	E	NE	NE	E	E	NE	NE	NE	NE	NE	NE	E	E	E	E
Wind movement	4	5	6	5	6	6	7	6	7	4	5	6	7	6	9	9	7	7	6	7	8	8	5	5
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 5:20 Character, Cloudy
Moonrise: 5:34 P.
Sunset: Time, 5:54 Character, Cloudy
Moonset: 1:34 P.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

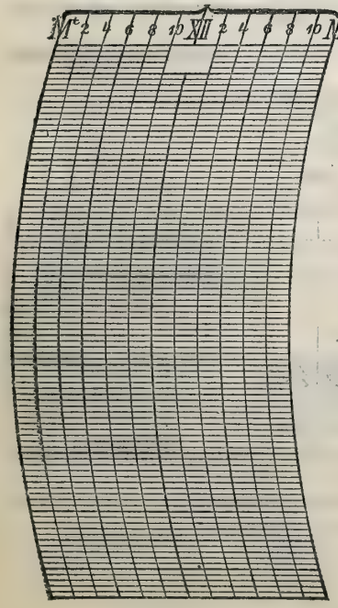
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
78	57	68	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase, _____
Average daily cloudiness (0–10), 4.4
Actual sunshine, hours, 10.2 Possible sunshine, hours, 12.6
Per cent of possible sunshine, 81
Prevailing wind direction, NE Total wind 157
Average hourly velocity, 6.3 Extreme velocity, 11
Maximum velocity, 11 Direction, NE
Time began, 2.47 P.M.
Reduced barometer, 30.30 7 a. m. 30.16 7 p. m.
River gage, 26 feet
Relative humidity, 78 7 a. m. 62 7 p. m.

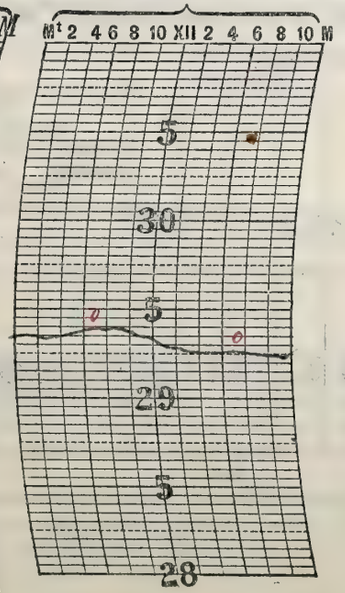
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 73.0 Wet temperature, 60.9
Dew-point, 53 R. humidity, 50 V. pressure, .402
Clouds: Amount, 3; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour) _____

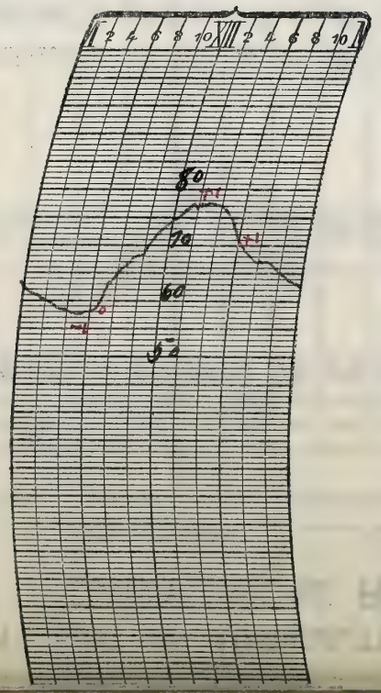
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Decreasing cloudiness after the am observation, the day as a whole being partly cloudy, and the afternoon and night mostly clear. Mild temperatures obtained in the late forenoon and in the pm, the weather being quite exhilarating.

Prepared by J. P. McDonough
Verified by _____

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) Wednesday, (Date) [illegible], 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	62	61	61	63	62	63	65	65	67	70	72	78
State of weather: Nature of precipitation and time of beginning and ending					RB Y E P.N.				RB 800	RE 955		
Amounts of precipitation					T				.04	T		
Cloudiness and other conditions				L	—	Cloudy				—		
Sunrise: Time, Character,	5:21 Cloudy											
Moonrise:	4:25p											
Sunshine (in tenths of hours)						0	0	0	0	0	0.1	0.6
Wind direction	E	E	E	SE	SE	SE	SE	SE	N	SW	N	S
Wind movement	4	4	1	3	3	2	3	2	2	3	2	3

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	78	78	80	79	78	75	74	69	68	66	65	63
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	L	Pt. Cloudy			L	Cloudy	—		?			
Sunset: Time, Character,	5:52 Cloudy											
Moonset:	2:50a											
Sunshine (in tenths of hours)	1.0	0.7	0.6	0.8	0	0						
Wind direction	SW	SW	W	W	W	W	NW	NW	NW	NW	NW	NW
Wind movement	7	7	7	9	7	7	7	9	7	5	5	3

Maximum velocities (exceeding 29 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

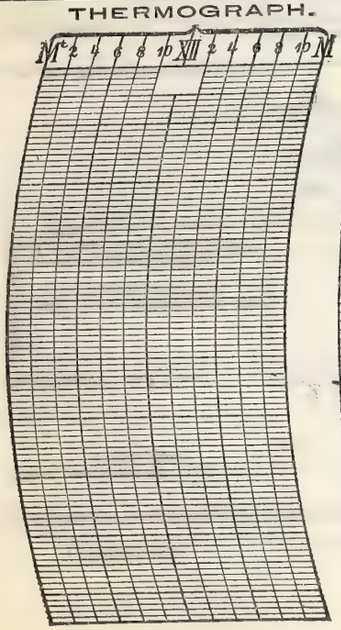
Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
80	61	70	

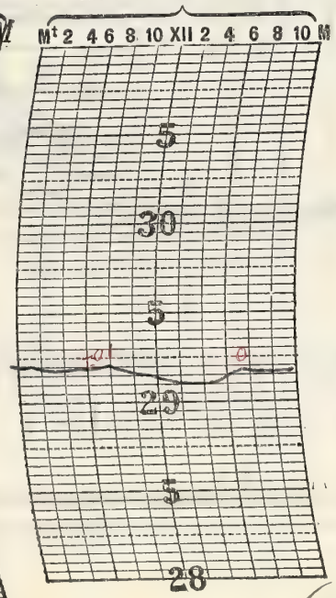
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., .04 ins.
Total precipitation, midnight to midnight, .04 inches.
Character of day, Cloudy Moon phase, 8
Average daily cloudiness (0-10),
Actual sunshine, hours, 3.8 Possible sunshine, hours, 12.5
Per cent of possible sunshine, 30
Prevailing wind direction, NW Total wind 112
Average hourly velocity, 4.7 Extreme velocity, 11
Maximum velocity, 11 Direction, NW
Time began, 7.22 pm
Reduced barometer, 30.10 7 a. m. 30.05 7 p. m.
River gage, 2.8 feet
Relative humidity, 77 7 a. m. 82 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 74.1 Wet temperature, 66.1
Dew-point, 62 R. humidity, 66 V. pressure, .555
Clouds: Amount, 9; Kind, STCU; Direction, W
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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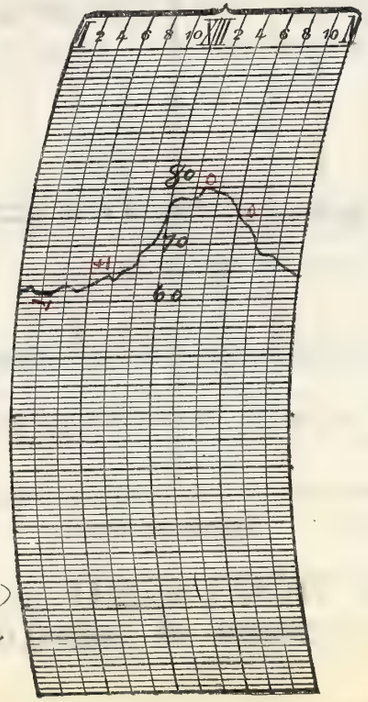


NOTES.

The day as a whole was Cloudy and Showers occurred in the am. Moderate temperatures prevailed.

Prepared by
Verified by } P. McDonough

8—486

Form No. 1014—Met7.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) ....., (Day of week) Thursday, (Date) ....., 192

Time (local standard) 90 mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	62	61	60	59	59	61	61	66	68	71	73	75	75	76	75	75	73	73	71	67	66	65	65	64
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation / Cloudiness and other conditions				← Dense fog				→	← Cloudy			→	← Pt. Cloudy					← Cloudy		← Pt. Cloudy →				

Sunrise: Time, 5:21 Character, foggy
Moonrise: 4:56 P
Sunset: Time, 5:51 Character, Cloudy
Moonset: 3:46 A

	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)						0	0	0	0.1	0.8	0.9	1.0	1.0	1.0	0.9	0.8	0.2	0						
Wind direction	NW	NW	NW	NW	N	N	N	N	W	NW	NE	N	N	N	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
Wind movement	4	4	5	6	6	6	6	3	3	2	3	5	6	8	8	8	8	3	1	6	8	8	6	4
Maximum velocities (exceeding 29 miles) direction and time		21																						

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

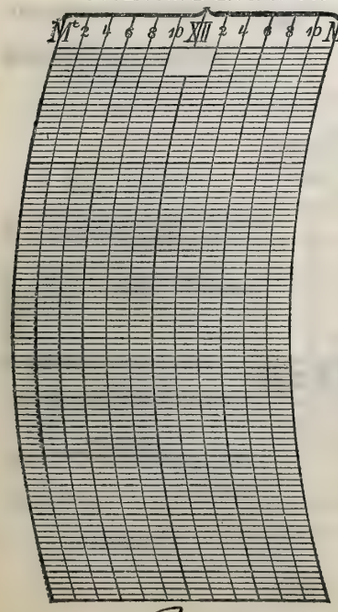
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
76	59	68	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase, ...
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 6.7 Possible sunshine, hours, 12.5
Per cent of possible sunshine, 54
Prevailing wind direction, NE Total wind 127
Average hourly velocity, 5.3 Extreme velocity, 11
Maximum velocity, 11 Direction, NE
Time began, 3:45 P.M.
Reduced barometer, 30.14 7 a. m. 30.08 7 p. m.
River gage, 2.6 feet
Relative humidity, 97 7 a. m. 77 7 p. m.

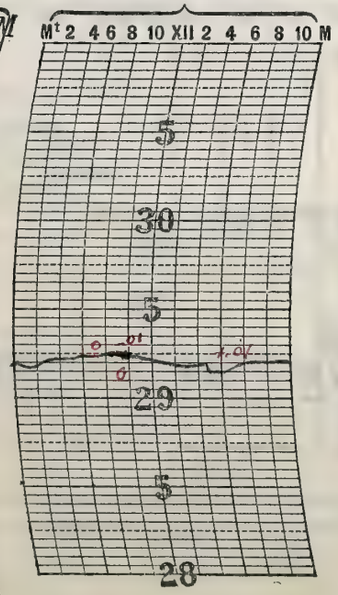
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 74.0 Wet temperature, 66.0
Dew-point, 60 R. humidity, 62 V. pressure, .517
Clouds: Amount, 9; Kind, Strat.; Direction, NW
Velocity of clouds (miles per hour) .....

THERMOGRAPH.



BAROGRAPH.



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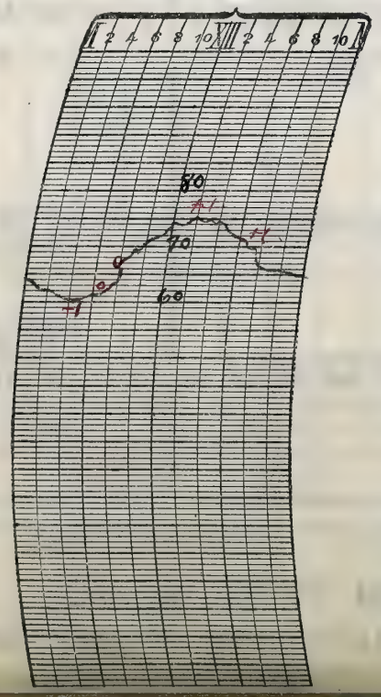


NOTES.

Dense fog began in the early morning being confined to the higher elevations until 6:15 am, when it settled down over the station; it lifted at 7:45 am. The day as a whole was Cloudy and moderate temperatures obtained.

Prepared by
Verified by } P. McDonough

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) [illegible], (Date) [illegible], 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	63	63	61	61	62	63	64	67	68	68	68	68
State of weather: Nature of precipitation and time of beginning and ending												RB 11:20
Amounts of precipitation												T
Cloudiness and other conditions					L							Cloudy
Sunshine (in tenths of hours)						0	0.2	0	0	0	0	0
Wind direction	NE	E	E	E	E	E	E	E	E	E	E	E
Wind movement	7	7	8	5	6	5	6	6	6	6	7	4

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	68	69	68	68	68	68	68	68	68	67	68	69
State of weather: Nature of precipitation and time of beginning and ending	–	–	–	–	RE 4:20	RB 5:05 RE 5:20						
Amounts of precipitation	.02	T	.02	.13	.03	.01						
Cloudiness and other conditions	Cloudy						X	Pt. Cloudy				
Sunshine (in tenths of hours)	0	0	0	0	0	0						
Wind direction	E	SE	SE	SE	SE	SE	SE	SE	S	S	S	S
Wind movement	5	9	9	8	6	5	7	6	7	8	7	10

Sunrise: Time, 5:22 Character, Cloudy
Moonrise: 5:25p
Sunset: Time, 5:42 Character, Cloudy
Moonset: 4:43a

Maximum velocities (exceeding 29 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

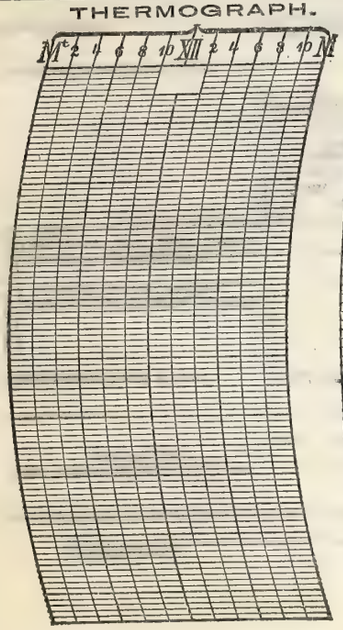
Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
69	61	65	

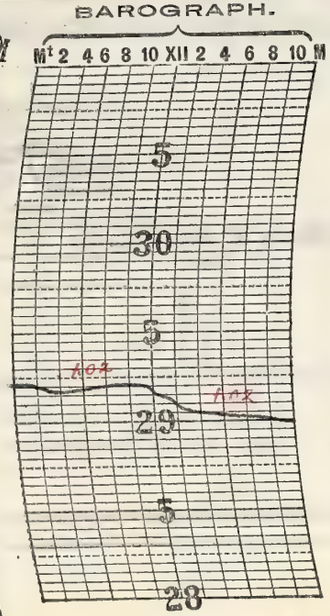
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .21 ins.
Total precipitation, midnight to midnight, .21 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0.2 Possible sunshine, hours, 12.4
Per cent of possible sunshine, 2
Prevailing wind direction, E Total wind 160
Average hourly velocity, 6.7 Extreme velocity, 12
Maximum velocity, 12 Direction, SE
Time began, 4:08 P.M
Reduced barometer, 30.13 7 a. m. 29.98 7, p. m.
River gage, 2.3 feet
Relative humidity, 91 7 a. m. 92 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)
Dry temperature, 68.3 Wet temperature, 64.3
Dew-point, 62 R. humidity, 81 V. pressure, .555
Clouds: Amount, 10; Kind, Nb; Direction, SE
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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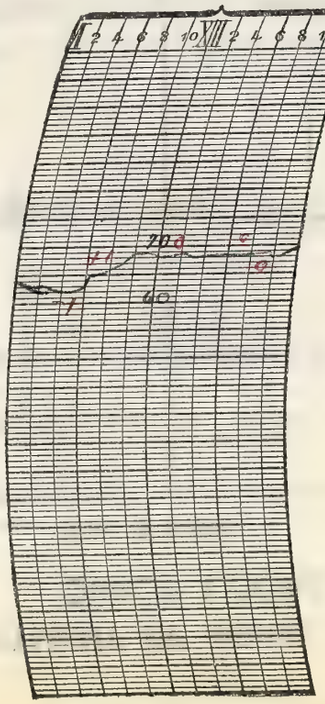


NOTES.

Generally cloudy weather, with showers from 11:20 am till 5:20 pm; night mostly partly cloudy - moderate temperatures.

Prepared by
Verified by } P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) ....., (*Day of week*) ....., (*Date*) ....., 192

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	70	70	71	70	72	72	72	77	80	83	85	84
State of weather. Nature of precipitation and time of beginning and ending						RB 535 RE 556						
Amounts of precipitation						.03						
Cloudiness and other conditions				L Cloudy			>(Partly cldy			>(Clear		>(Partly
Sunshine (in tenths of hours)						0	0	0.8	1.0	1.0	1.0	1.0
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	W
Wind movement	9	10	9	11	10	9	12	14	16	19	16	19

Sunrise: Time, 5:23; Character, Cloudy. Moonrise: 5:54 P.

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	75	83	78	77	76	73	73	69	67	66	63	62
State of weather. Nature of precipitation and time of beginning and ending	RB 1230 RE 1254											
Amounts of precipitation	.23											
Cloudiness and other conditions	>(Cloudy		>(Clear		>(Partly		Cldy —		>L-Clear-7			
Sunshine (in tenths of hours)	0.4	0.8	0.8	0.3	0.4	0						
Wind direction	W	W	NW	NW	NW	NW	W	W	W	W	W	SW
Wind movement	16	14	19	13	4	7	7	7	9	12	10	10

Sunset: Time, 5:47; Character, Cloudy. Moonset: 5:40 A.

Maximum velocities (exceeding 20 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

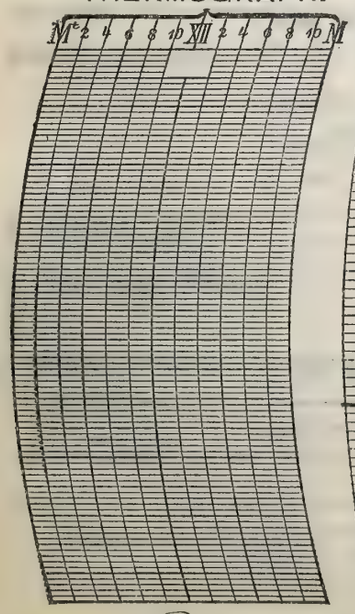
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
85	62	74	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .03 ins.; to 7 p. m., .23 ins.
Total precipitation, midnight to midnight, .26 inches.
Character of day Pt. Cloudy Moon phase Full 1:20 a.m.
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 7.5 Possible sunshine, hours, 12.4
Per cent of possible sunshine, 60
Prevailing wind direction, SW Total wind 282
Average hourly velocity, 11.8 Extreme velocity, 36
Maximum velocity, 27 Direction, NW
Time began, 12:47 P.M.
Reduced barometer, 29.88 7 a. m. 29.93 7 p. m.
River gage, 2.3 put
Relative humidity, 89 7 a. m. 26 7 p. m.

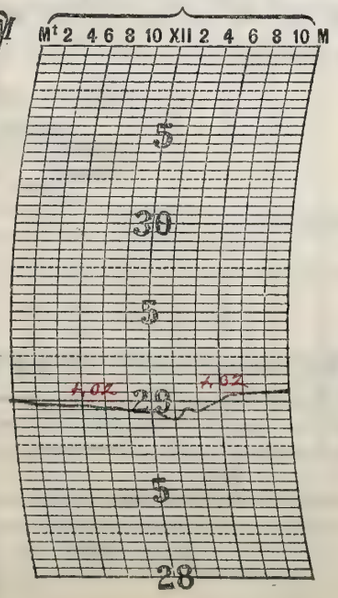
OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 84.9 Wet temperature, 73.2
Dew-point, 68 R. humidity, 57 V. pressure, .684
Clouds: Amount, 7; Kind, Cu.; Direction, NW
Velocity of clouds (miles per hour)

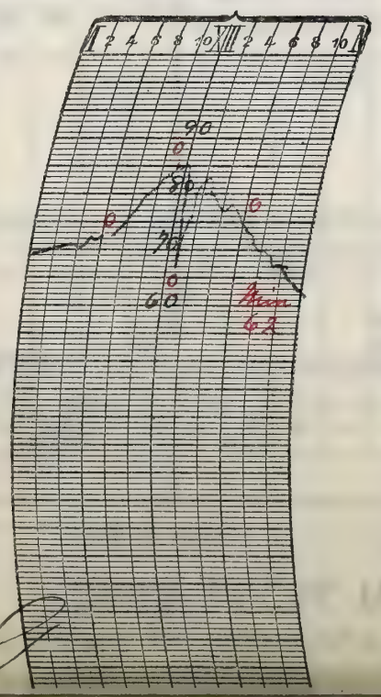
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A thunderstorm of moderate intensity began at 5.25 am and ended at 5.50 am. The storm apparently moved from the southwest.

Another thunderstorm which developed in the west, moved east, and lasted from 12:37 pm till 12:56 pm. It caused slight damage to the telephone system. The storm was attended by a heavy downpour of rain and the temperature fell from 85° to 67°, but the temperature rose quickly.

The day as a whole was warm and humid and generally partly cloudy. The sky cleared off soon after the pm observation, the night being beautifully clear with bright moonlight.

Prepared by .....
Verified by J. P. McDonough

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Sayer, Ind, (Day of week) Sunday, (Date) [illegible], 192

Time (local standard). 90° mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	60	59	58	57	56	57	58	62	63	65	66	68
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation Cloudiness and other conditions				1–4 Cloudy – X								
Sunshine (in tenths of hours)						0	0.3	1.0	1.0	1.0	1.0	1.0
Wind direction	SW	W	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	9	9	9	8	7	8	6	8	12	12	12	11

Sunrise: Time, 5:24 Character, Cloudy

Moonrise: 6:25 p

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	70	70	70	70	68	65	63	59	57	56	55	54
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation Cloudiness and other conditions					Clear				X			
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	0						
Wind direction	NW	NW	NW	NW	NW	NW	NW	N	N	N	N	N
Wind movement	11	12	12	11	11	8	6	7	5	5	4	4

Sunset: Time, 5:46 Character, Cloudy

Moonset: 6:39 a

Maximum velocities (exceeding 29 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
71	54	62	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10), 3

Actual sunshine, hours, 10.3 Possible sunshine, hours, 12.4

Per cent of possible sunshine, 83

Prevailing wind direction, NW Total wind 208

Average hourly velocity, 8.7 Extreme velocity, 15

Maximum velocity, 14 Direction, N

Time began, 10:35 a.m.

Reduced barometer, 30.11 7 a. m. 30.19 7 p. m.

River gage, 2.3 feet

Relative humidity, 79 7 a. m. 74 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

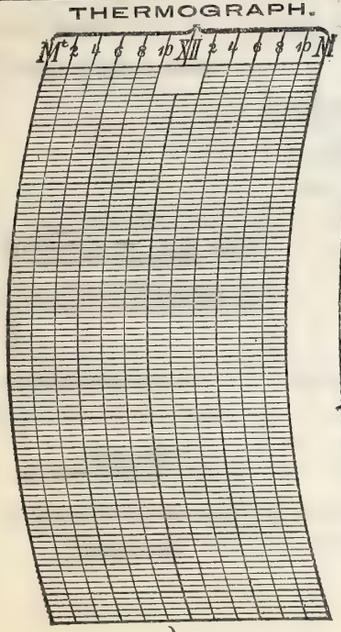
Dry temperature, 67.0 Wet temperature, 62.0

Dew-point, 59 R. humidity, 76 V. pressure, .499

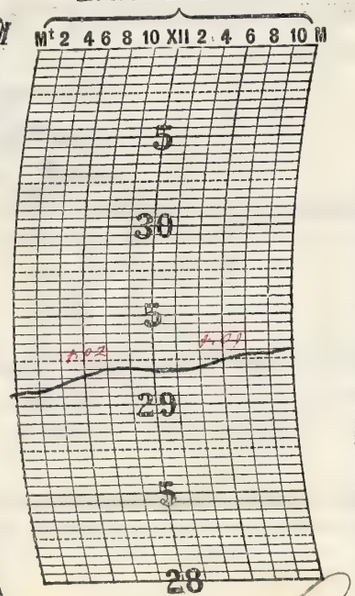
Clouds: Amount, 2; Kind, Cu.; Direction, NW

Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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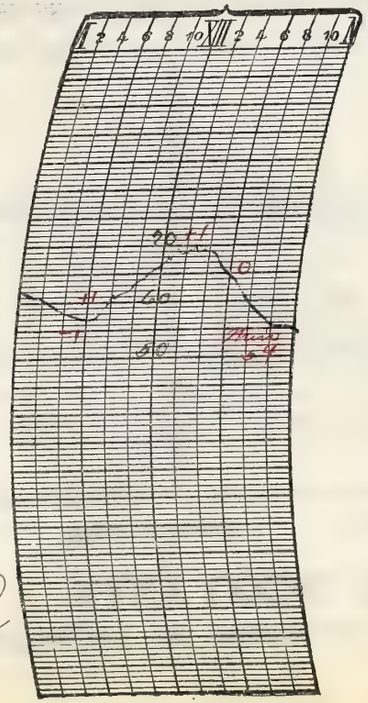


NOTES.

Partly Cloudy in the early morning, but day as a whole generally Clear and cool, with bright moonlight at night

An ill-defined lunar halo was observed at 9:45 pm

Prepared by
Verified by } J. McDonough

S—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) _____, (Date) _____, 192

Time (local standard) 90th mer. normal time.

	A. M.												P. M.											
	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	52	52	51	51	50	51	53	59	64	67	68	70	69	69	67	68	68	68	68	67	68	66	64	63
State of weather. Nature of precipitation and time of beginning and ending																12:13 3:08 RE 3:40								
Amounts of precipitation																T								
Cloudiness and other conditions						← Clear		× Pt Cldy			×			Cloudy										
	Sunrise: Time, 5:26; Character, Clear. Moonrise: 6:57p																				Sunset: Time, 5:44; Character, Cloudy. Moonset: 7:38a			
Sunshine (in tenths of hours)						0 .57	0.6 .04	1.0	1.0	1.0	1.0	0.8	0.4	0	0	0	0	0						
Wind direction	NE	NE	NE	NE	NE	NE	E	E	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
Wind movement	7	7	6	6	6	7	8	7	9	7	7	8	8	5	5	5	5	6	5	4	5	7	4	5
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

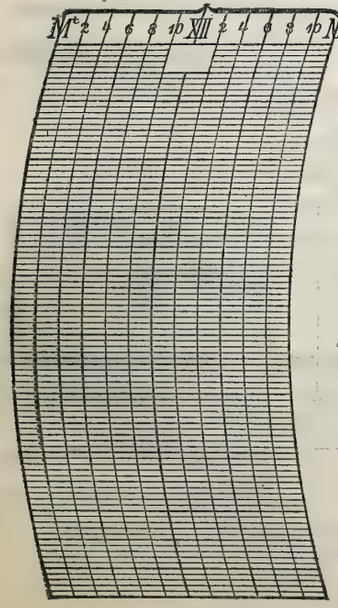
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
70	50	60	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt Cloudy Moon phase, _____
Average daily cloudiness (0–10), 9
Actual sunshine, hours, 6.8 Possible sunshine, hours, 12.3
Per cent of possible sunshine, 55
Prevailing wind direction, SE Total wind 149
Average hourly velocity, 6.2 Extreme velocity, 12
Maximum velocity, 12 Direction, SE
Time began, 5:28 p.m.
Reduced barometer, 30.29 7 a. m. 30.167 7 p. m.
River gage, 2.1 feet
Relative humidity, 87 7 a. m. 65 7 p. m.

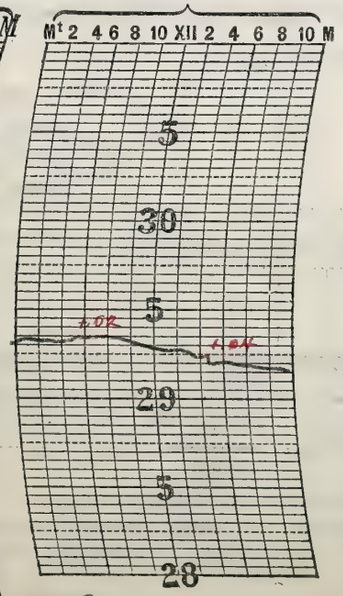
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 69.1 Wet temperature, 59.6
Dew-point, 53 R. humidity, 57 V. pressure, 4.02
Clouds: Amount, 9; Kind, St; Direction, W
Velocity of clouds (miles per hour) _____

THERMOGRAPH.



BAROGRAPH.



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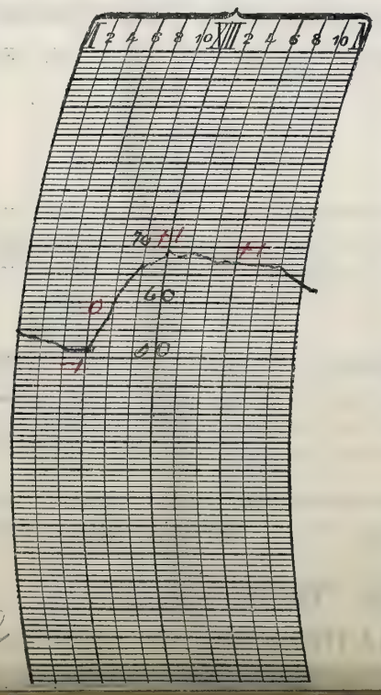


NOTES.

A pleasantly cloudy day with moderate temperatures and a light shower during the middle of the afternoon.

Prepared by _____

Verified by P. McDonough

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) _____, (Date) _____, 192

Time (local standard) 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	62	60	60	60	64	64	66	70	71	74	76	79
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						←		Cloudy				
Sunrise: Time, Character,	5:27 Cloudy											
Moonrise:	7:32 p											
Sunshine (in tenths of hours)						0	0	0	0	0.6	1.0	1.0
Wind direction	E	E	SE	SE	E	SE	S	S	N	E	E	E
Wind movement	5	4	4	4	3	5	8	9	6	4	6	7
Maximum velocities (exceeding 22 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	82	84	82	82	82	81	80	77	76	74	73	73
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions		→	Pt. Cloudy	→			Cloudy			→		
Sunset: Time, Character,									5:42 Cloudy			
Moonset:									8:38 a			
Sunshine (in tenths of hours)	1.0	1.0	0.4	0.4	0	0						
Wind direction	SE	SE	S	SE	SE	SE	SE	SE	S	S	SW	SW
Wind movement	7	8	7	6	6	7	8	7	9	9	16	17
Maximum velocities (exceeding 22 miles) direction and time												

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
85	60	72	✓

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Cloudy Moon phase, _____

Average daily cloudiness (0-10), 8

Actual sunshine, hours, 3.4 Possible sunshine, hours, 12.2

Per cent of possible sunshine, 44

Prevailing wind direction, SE Total wind 172

Average hourly velocity, 7.2 Extreme velocity, 20

Maximum velocity, 19 Direction, SW

Time began, 11:40 p.m.

Reduced barometer, 30.0 7 a. m. 29.92 7, p. m.

River gage, 2.1 feet

Relative humidity, 86 7 a. m. 22 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

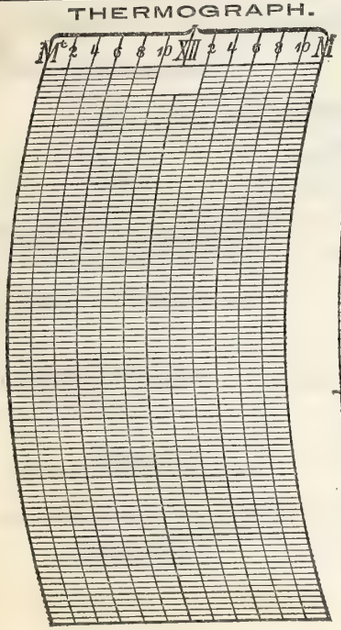
Dry temperature, 78.3 Wet temperature, 69.3

Dew-point, 65 R. humidity, 64 V. pressure, 6.6

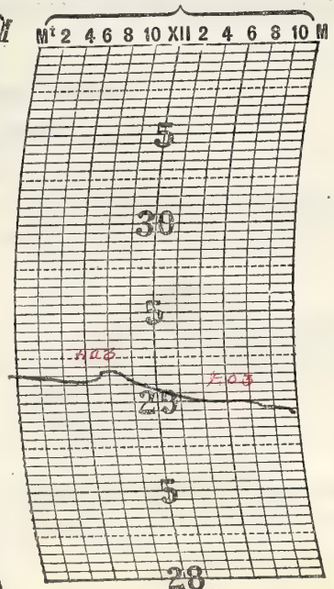
Clouds: Amount, 8; Kind, A St; Direction, NW

Velocity of clouds (miles per hour) _____

THERMOGRAPH.



BAROGRAPH.



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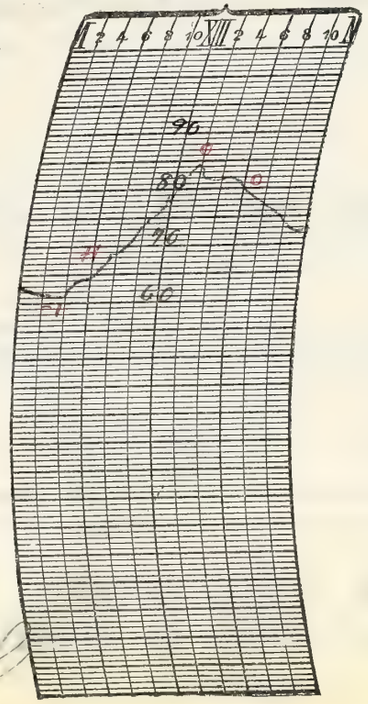


NOTES.

A cloudy day and rather warm and sultry day.

Prepared by _____

Verified by _____

8—180

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) _____, (Date) _____, 192

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	74	75	75	75	75	65	65	68	69	69	71	74
State of weather. Nature of precipitation and time of beginning and ending						RB 5:10	RE 6:20	RB 7:04	RE 8:40			
Amounts of precipitation						.28	.02	T	T			
Cloudiness and other conditions						← Cloudy						
Sunrise: Time, Character,	5:22 Cloudy											
Moonrise:	8:12 P.											
Sunshine (in tenths of hours)						0	0	0	0	0	0.8	1.0
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	W
Wind movement	15	16	16	15	17	12	10	15	17	17	20	23
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	74	74	74	73	72	69	67	65	64	63	61	60
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Pt. Cloudy →			Clear								
Sunset: Time, Character,									5:41 Clear			
Moonset:									9:38 a			
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	.68 0						
Wind direction	W	W	W	W	W	SW	SW	SW	SW	SW	SW	SW
Wind movement	22	23	22	22	18	12	10	11	13	12	11	10
Maximum velocities (exceeding 29 miles) direction and time												

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
75	60	68	

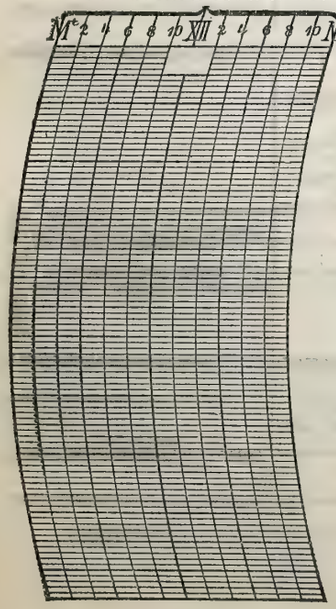
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .30 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, 1.30 inches.
Character of day, Pt. Cloudy; Moon phase, _____
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 7.5 Possible sunshine, hours, 12.2
Per cent of possible sunshine, 61
Prevailing wind direction, SW Total wind 384
Average hourly velocity, 16.0 Extreme velocity, 35
Maximum velocity, 22 Direction, W
Time began, 2:53 p. m.
Reduced barometer, 29.77 7 a. m. 29.96 7 p. m.
River gage, 2.2 Feet
Relative humidity, 95 7 a. m. 54 7 p. m.

	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

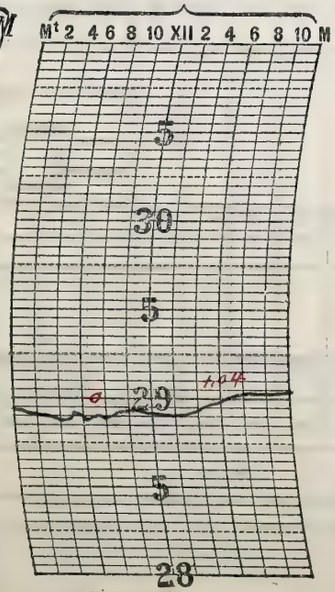
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 72.0 Wet temperature, 59.7
Dew-point, 51 R. humidity, 48 V. pressure, .373
Clouds: Amount, 7 Kind, Cu Direction, SW
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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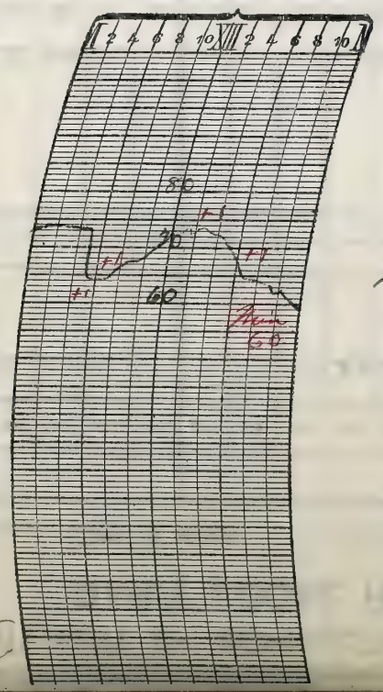


NOTES.

A thunderstorm of moderate intensity and accompanied by a moderate fall of rain began at 5:50 a.m., ending at 6:20 a.m. The storm moved from the west.

A partly cloudy day with moderate temperature and brisk westerly winds.

Prepared by CCS

Verified by T. M. Yarbrough

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) _____, (Date) _____, 192

Time (local standard). 90 mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	60	60	59	58	58	58	60	66	70	74	78	79	80	80	81	79	77	74	73	71	68	68	67	66
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						←			Clear							Clear					→			
Sunshine (in tenths of hours)						.53 / 0	0.3 / 0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2 / 0.8	.65 / 0						
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	W
Wind movement	11	13	13	11	13	12	13	16	17	19	24	26	28	30	29	24	19	15	13	14	12	12	11	10
Maximum velocities (exceeding 20 miles) direction and time												SW 4:30	SW 12:01	SW 1:00	SW 2:25	SW 3:05								

Sunrise: Time, 5:28 Character, Clear

Moonrise: 8:57p

Sunset: Time, 5:29 Character, Clear

Moonset: 10:39p

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
81	58	70	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase, _____

Average daily cloudiness (0-10), 1

Actual sunshine, hours, 12.2 Possible sunshine, hours, 12.2

Per cent of possible sunshine, 100

Prevailing wind direction, SW Total wind 405

Average hourly velocity, 16.9 Extreme velocity, 48

Maximum velocity, 35 Direction, SW

Time began, 12:01 p.m.

Reduced barometer, 29.93 7 a. m. 29.97 7 p. m.

River gage, 2.1 Feet.

Relative humidity, 72 7 a. m. 54 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

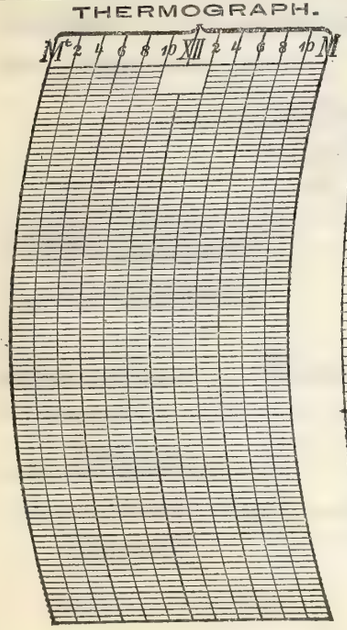
Dry temperature, 79.5 Wet temperature, 62.0

Dew-point, 50 R. humidity, 36 V. pressure, 36.0

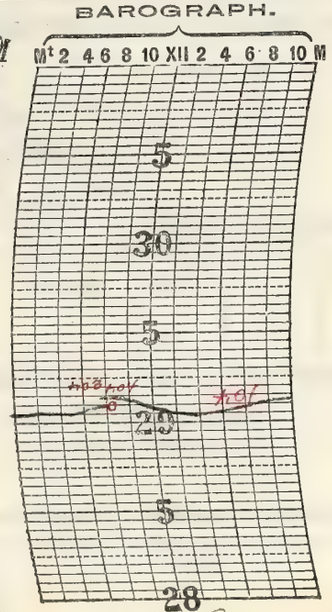
Clouds: Amount, 5; Kind, Ci; Direction, NW

Velocity of clouds (miles per hour)

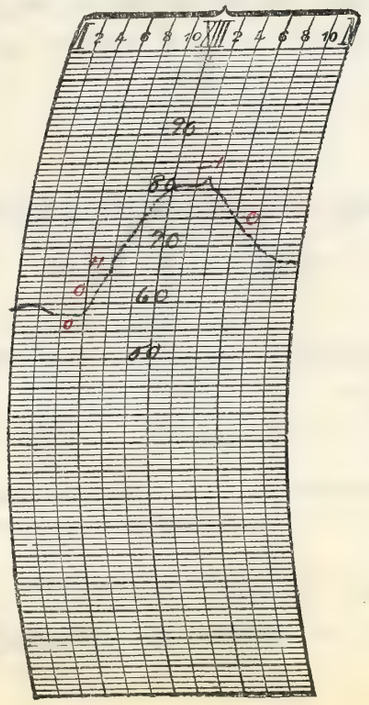
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A clear cool and very pleasant and invigorating day.

Prepared by C. C. S.

Verified by C. M. Dunough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) _____, (Date) _____, 192

Time (local standard). 90th mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	63	62	59	59	58	57	58	66	69	71	73	75	77	78	77	76	73	73	72	66	67	66	66	65
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						←			Clear				→	Pt. Cloudy		Cloudy			→	Pt. Cloudy				
Sunrise: Time, 6:22 Character, Clear																					Sunset: Time, 5:37 Character, Cloudy			
Moonrise: 9:47p																					Moonset: 11:39a			
Sunshine (in tenths of hours)						.52 0	0.4 0.6	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.5	0	0						
Wind direction	W	W	W	W	W	W	N	NE	E	E	E	SE	SE	SE	SE	E	E	E	SE	SE	SE	SE	SE	SE
Wind movement	6	6	5	5	4	5	5	6	6	7	6	5	5	5	4	4	5	4	4	5	6	5	4	4
Maximum velocities (exceeding 20 miles) direction and time																								

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
79	57	68	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase, _____
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 10.0 Possible sunshine, hours, 12.1
Per cent of possible sunshine, 83
Prevailing wind direction, SE Total wind 121
Average hourly velocity, 5.0 Extreme velocity, 10
Maximum velocity, 10 Direction, E
Time began, 9:03 a.m.
Reduced barometer, 30.14 7 a. m. 30.13 7 p. m.
River gage, 2.1 Feet.
Relative humidity, 83 7 a. m. 58 7 p. m.

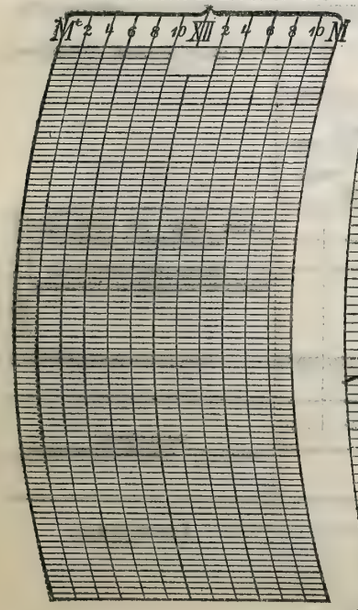
	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

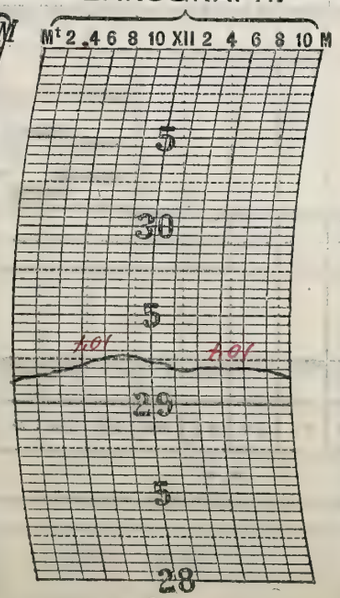
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 75.0 Wet temperature, 62.0
Dew-point, 54 R. humidity, 48 V. pressure, .410
Clouds: Amount, 1; Kind, AST; Direction, NW
Velocity of clouds (miles per hour)

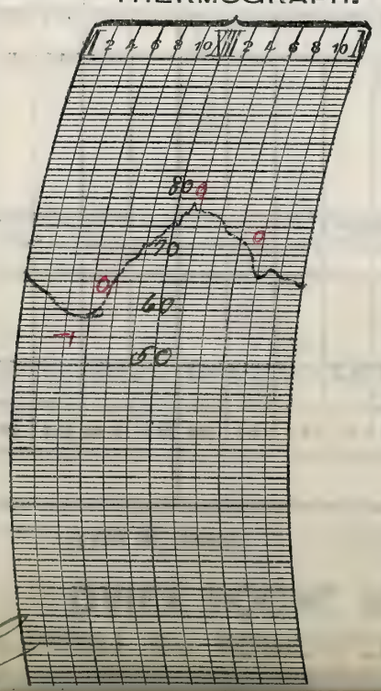
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A partly cloudy day with moderate temperature.
Autumnal equinox, autumn commenced at 8:20 a.m., this date.

Prepared by _____
Verified by P. McDonough

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne Ind, (Day of week) Saturday, (Date) July 31, 192

Time (local standard) 90 mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	61	61	62	63	63	63	64	71	75	78	80	81
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						←		Pt. Cloudy	→	←	Cloudy	→
Sunshine (in tenths of hours)						0	0.3	0.5	0.7	1.0	1.0	1.0
Wind direction	SE	SE	SE	SE	SE	S	S	SW	SW	SW	SW	S
Wind movement	2	4	2	2	5	7	7	10	9	7	5	6

Sunrise: Time, 5:30; Character, Cloudy. Moonrise: 10:45 P

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	82	81	80	78	75	74	72	72	70	70	70	68
State of weather: Nature of precipitation and time of beginning and ending						RB 5:13 RB 5:22			RB 8:32			
Amounts of precipitation						T			T	.01	.08	.07
Cloudiness and other conditions						←	Cloudy	→				
Sunshine (in tenths of hours)	0.8	1.0	0.1	0	0	0						
Wind direction	SW	SW	S	S	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	5	6	9	7	10	10	7	4	5	9	7	15

Sunset: Time, 8:36; Character, Cloudy. Moonset: 12:35 P

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
82	60	71	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .18 inches.
Character of day, Cloudy. Moon phase, L.Q. 3:18 P.
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 6.4. Possible sunshine, hours, 12.1
Per cent of possible sunshine, 53
Prevailing wind direction, SW. Total wind 160
Average hourly velocity, 6.7. Extreme velocity, 22
Maximum velocity, 21. Direction, SW
Time began, 11:14 p. m.
Reduced barometer, 29.08 7 a. m. 29.22 7 p. m.
River gage, 2.15 feet
Relative humidity, 82 7 a. m. 79 7 p. m.

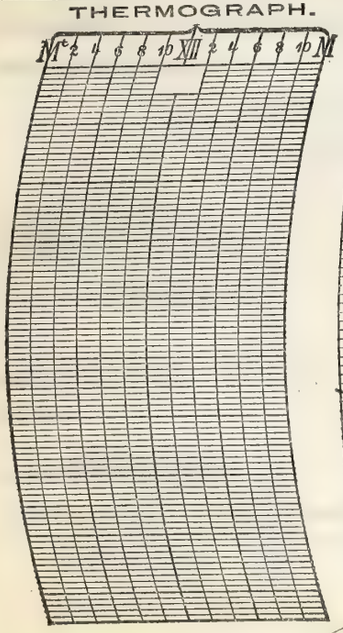
Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

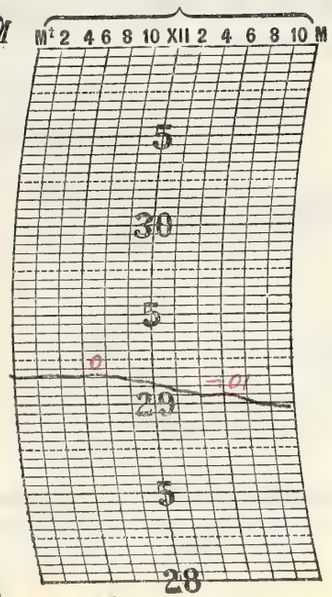
OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 80.7 Wet temperature, 69.3
Dew-point, 64 R. humidity, 56 V. pressure, .595
Clouds: Amount, 6; Kind, Cu; Direction, SW
Velocity of clouds (miles per hour)

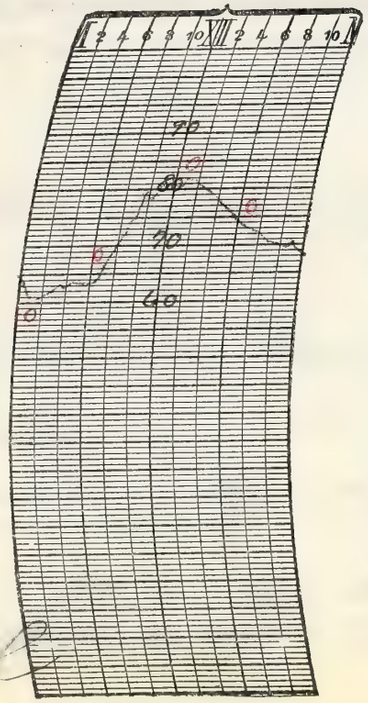
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Solar halo, faint of 22 degrees radius observed from 11:20 a.m. until 12:27 p.m.
A cloudy day with moderate temperatures.
A thunder storm moving from the west and of light intensity began at 10:30 p.m. and ended during the night p.m.

Prepared by
Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) ....., (Day of week) Saturday, (Date) ....., 192

Time (local standard). 90" mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	68	67	67	67	65	62	61	61	62	62	64	63
State of weather: Nature of precipitation and time of beginning and ending				RE DNA								
Amounts of precipitation	.06	T	T	.02								
Cloudiness and other conditions						← Cloudy						
Sunrise: Time, Character,	5:31 Cloudy											
Moonrise:	11:48p											
Sunshine (in tenths of hours)						0	0	0	0.5	1.0	1.0	0.8
Wind direction	SW	SW	SW	W	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	12	9	10	15	11	17	13	14	19	16	14	12

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	64	67	68	66	64	61	59	56	56	53	52	53
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					Pt. Cloudy →		Clear					
Sunset: Time, Character,									5:34 Clear			
Moonset:									1:27p			
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	1.0	.57 0						
Wind direction	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	10	11	12	12	12	7	7	5	4	2	4	4

Maximum velocities (exceeding 29 miles) direction and time.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
68	52	60	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .26 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, .08 inches.
Character of day, Pt. Cloudy Moon phase, ...
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 8.9 Possible sunshine, hours, 12.0
Per cent of possible sunshine, 74
Prevailing wind direction, NW Total wind 252
Average hourly velocity, 10.5 Extreme velocity, 26
Maximum velocity, 25 Direction, NW
Time began, 5:27 a.m.
Reduced barometer, 29.96 7 a. m. 30.14 7 p. m.
River gage, 2.4 Feet
Relative humidity, 79 7 a. m. 68 7 p. m.

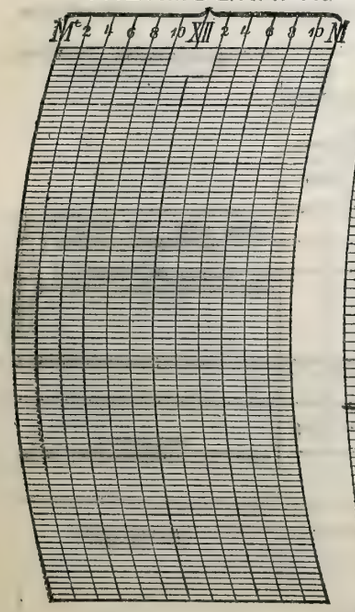
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

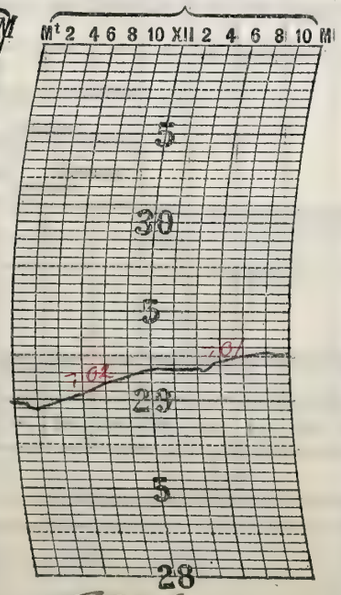
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 65.0 Wet temperature, 60.0
Dew-point, 57 R. humidity, 75 V. pressure, .463
Clouds: Amount, 4 ; Kind, St-Cu ; Direction, NW
Velocity of clouds (miles per hour)

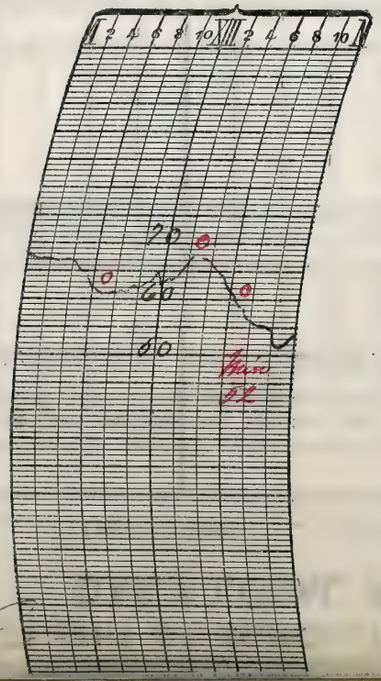
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A fairly cloudy and rather cool day.

Prepared by C. R. S.
Verified by P. M. Donough

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) _____, (Date) _____, 192

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	51	50	49	48	47	48	51	59	63	63	65	66
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Clear			→ Pl. Cloudy			
Sunshine (in tenths of hours)						.47 0	0.4 0.6	1.0	1.0	1.0	1.0	1.0
Wind direction	NW	NW	NW	NW	NW	O	NW	N	N	E	E	SE	E
Wind movement	2	2	2	1	0	1	4	4	6	7	8	8

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	67	68	69	68	67	64	63	60	57	54	56	54
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					→ Pl. Cloudy			→ Clear				
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	0.6	0						
Wind direction	SE	SE	SE	SE	S	SE	SE	SE	SE	SE	SE	SE
Wind movement	8	7	7	10	8	6	5	3	3	2	4	5

Sunrise: Time, 5:32 Character, Clear
Moonrise: —

Sunset: Time, 5:32 Character, Cloudy
Moonset: 8:45 p

Maximum velocities (exceeding 29 miles) direction and time.

Excessive precipitation, accumulated amounts

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

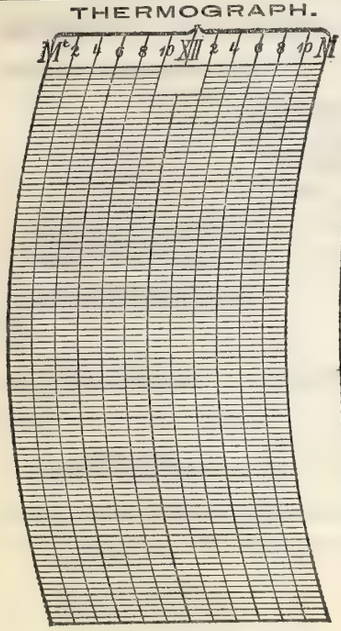
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
69	46	58	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pl. Cloudy Moon phase, _____
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 11.1 Possible sunshine, hours, 12.0
Per cent of possible sunshine, 92
Prevailing wind direction, SE Total wind 113
Average hourly velocity, 4.7 Extreme velocity, 12
Maximum velocity, 12 Direction, SE
Time began, 8:33 p.m.
Reduced barometer, 30.24 7 a. m. 30.25 7 p. m.
River gage, 2.0 Feet
Relative humidity, 84 7 a. m. 69 7 p. m.

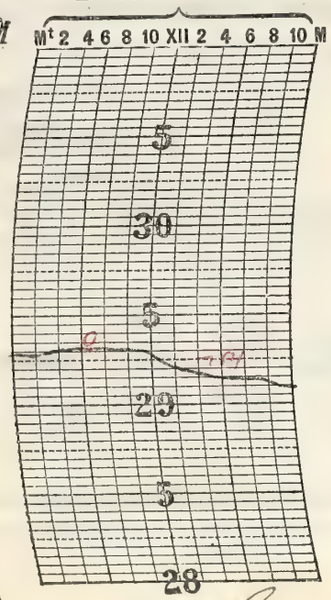
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 65.6 Wet temperature, 56.0
Dew-point, 49 R. humidity, 45 V. pressure, .342
Clouds: Amount, 7; Kind, Ast; Direction, SW
Velocity of clouds (miles per hour) _____

THERMOGRAPH.



BAROGRAPH.



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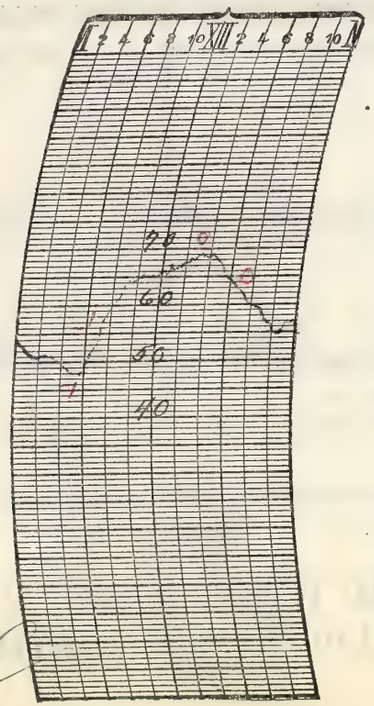


NOTES.

A fairly cloudy and cool day

Prepared by _____
Verified by P. M. Donough

8—186

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) _____, (Date) _____, 192

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	54	56	56	57	57	57	57 RB 6:10	59	60 HF 8:43	61	65	69
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation							T	T	T			
Cloudiness and other conditions						←		Cloudy			→ pt. Cldy	
Sunrise: Time, Character, 5:33 Cloudy; Moonrise: 12:56a												
Sunshine (in tenths of hours)						0	0	0	0	0	0	0.9
Wind direction	S	SE	S	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	1	2	6	6	4	5	6	4	8	9	10	11

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	72	73	73	73	71	68	67	66	65	65	65	66
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					→ Clear			← pt. Cloudy				
Sunset: Time, Character, 5:30 Cloudy; Moonset: 2:19a												
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	0.5	0						
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	13	13	15	16	13	9	10	11	12	14	13	13

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
74	53	64	

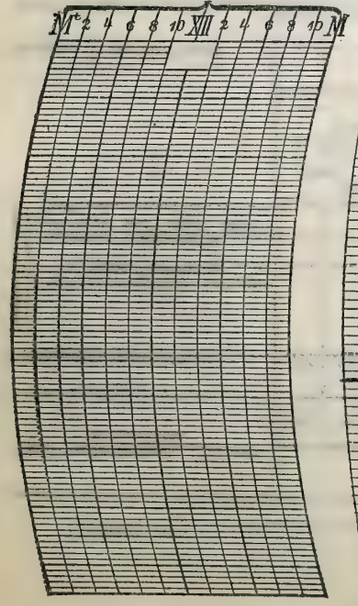
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt. Cloudy Moon phase, _____
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 5.4 Possible sunshine, hours, 13.0
Per cent of possible sunshine, 41.5
Prevailing wind direction, SW Total wind 224
Average hourly velocity, 9.3 Extreme velocity, 18
Maximum velocity, 17 Direction, SW
Time began, 3:24 p.m.
Reduced barometer, 29.97 7 a. m. 29.83 7 p. m.
River gage, 2.5 Feet
Relative humidity, 95 7 a. m. 77 7 p. m.

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

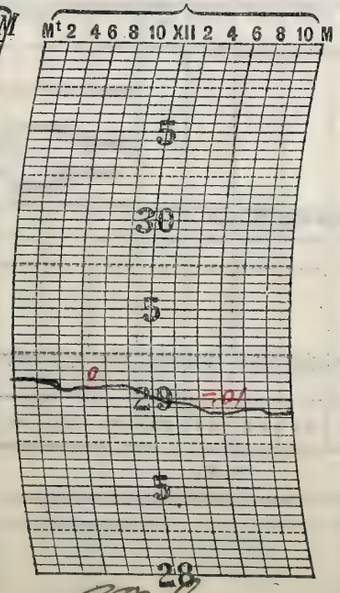
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 68.8 Wet temperature, 61.5
Dew-point, 52 R. humidity, 72 V. pressure, .499
Clouds: Amount, 7; Kind, Cu.; Direction, SW
Velocity of clouds (miles per hour) _____

THERMOGRAPH.



BAROGRAPH.



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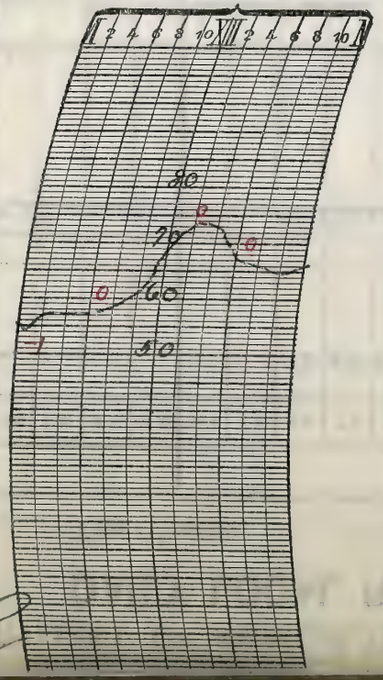


NOTES.

A partly cloudy day with a fine drizzling shower in the morning and moderate temperatures.

Prepared by _____
Verified by T. McDonough

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) Wednesday, (Date) SEP 28 1921, 192

Time (local standard) 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	65	65	64	63	62	61	63	66	70	70	72	72
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Clear		→ Pt Cloudy			→	
Sunshine (in tenths of hours)						.42	1.0	0.2				
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	10	11	7	7	5	6	5	6	3	5	5	8

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	71	72	73	73	73	72	71	71	72	71	70	70
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions			→ Cloudy									
Sunshine (in tenths of hours)	0.6	0.5	0.3	0	0	0						
Wind direction	SW	SW	S	SW	SW	SE	SE	SE	S	S	S	SW
Wind movement	10	10	7	5	4	4	6	7	12	14	15	12

Sunrise: Time, 5:35 Character, Clear

Moonrise: 2:06 a

Sunset: Time, 5:29 Character, Cloudy

Moonset: 3:39 p

State of weather.

Maximum velocities (exceeding 30 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
73	61	67	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Cloudy Moon phase, _____

Average daily cloudiness (0-10), 8

Actual sunshine, hours, 6.9 Possible sunshine, hours, 11.9

Per cent of possible sunshine, 58

Prevailing wind direction, SW Total wind 184

Average hourly velocity, 7.7 Extreme velocity, 18

Maximum velocity, 12 Direction, SW

Time began, 10:00 p.m.

Reduced barometer, 29.90 7 a. m. 29.85 7 p. m.

River gage, 2.4 Feet

Relative humidity, 91 7 a. m. 86 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

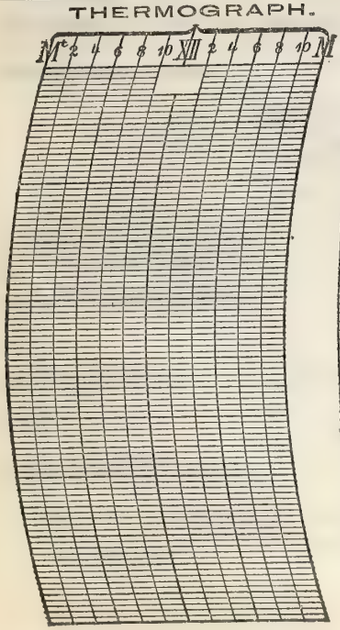
Dry temperature, 72.0 Wet temperature, 65.6

Dew-point, 62 R. humidity, 67 V. pressure, .555

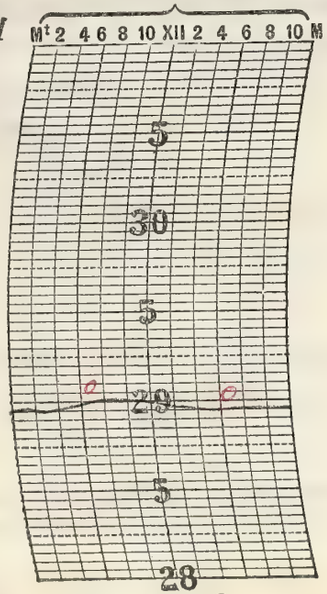
Clouds: Amount, 7; Kind, St Cu; Direction, NW

Velocity of clouds (miles per hour) _____

THERMOGRAPH.



BAROGRAPH.



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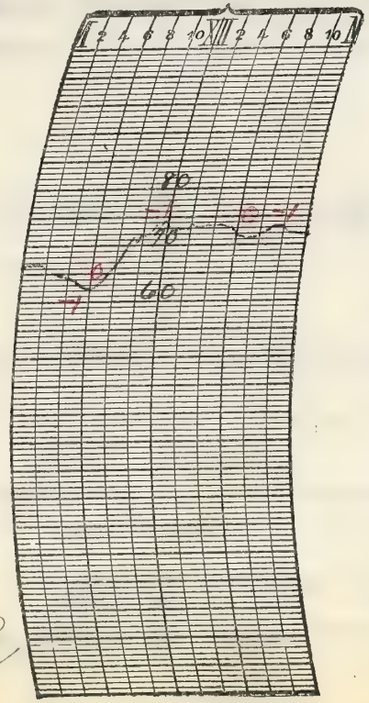


NOTES.

A cloudy day with moderate temperature

Prepared by CAS

Verified by J. M. Donough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) SEP 29 1927, 192

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	70	69	69	68	67	67	69	74	78	80	82	83
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						←			Clear			
Sunrise: Time, Character, 5:36 Clear												
Moonrise: 3:18a												
Sunshine (in tenths of hours)						.40 0	0.6 0.4	1.0	1.0	1.0	1.0	1.0
Wind direction	SW	SW	SW	S	S	S	S	SW	SW	SW	SW	SW
Wind movement	11	11	11	9	10	11	12	14	18	16	18	20
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	84	85	85	84	81	78	77	76	75	75	63 RB 10:48	63
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation											.10	.05
Cloudiness and other conditions		Pt.	Cloudy				— Clear					
Sunset: Time, Character, 5:27 Cloudy												
Moonset: 4:18p												
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.9	0.5	0						
Wind direction	SW	SW	SW	SW	S	S	S	S	S	S	SW	SW
Wind movement	22	22	24	21	17	15	13	17	17	20	23	15
Maximum velocities (exceeding 29 miles) direction and time											31 W 10:47	

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
85	63	74	

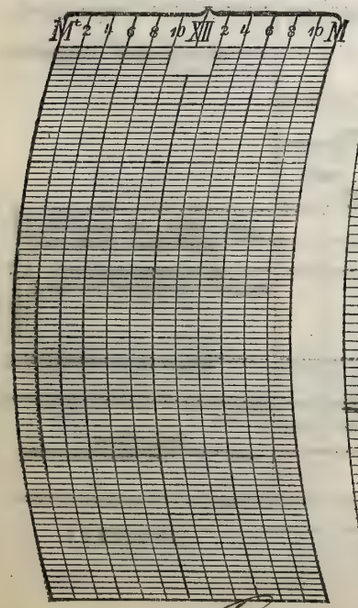
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0.15 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 10.8 Possible sunshine, hours, 11.8
Per cent of possible sunshine, 92
Prevailing wind direction, SW. Total wind 387
Average hourly velocity, 16.1 Extreme velocity, 34
Maximum velocity, 31 Direction, W
Time began, 10:47 p.m.
Reduced barometer, 29.86 7 a. m. 29.65 7 p. m.
River gage, 2.3 Feet.
Relative humidity, 86 7 a. m. 71 7 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive begin.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

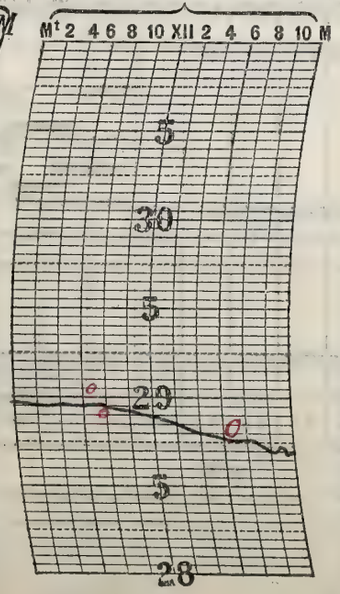
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 83.0 Wet temperature, 70.8
Dew-point, 65 R. humidity, 55 V. pressure, 6.16
Clouds: Amount, 1; Kind, Cu; Direction, SW
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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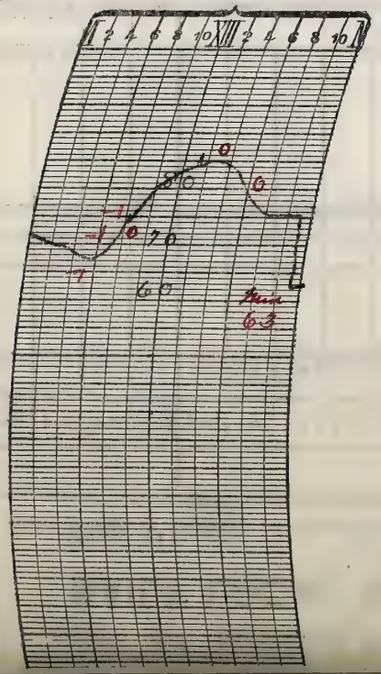


NOTES.

A clear day with moderate to high temperatures and moderate southwesterly winds.

A thunderstorm moving from the northwest began at 10:22 p.m. and continued until during the night, very accompanied by a light rain.

Prepared by C. U. S.
Verified by P. McDonough

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) _____, (Date) _____, 192

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	64	63	56	55	53	53	53	54	55	56	58	59
State of weather. Nature of precipitation and time of beginning and ending					RE DRA							
Amounts of precipitation	.08	.06	T	.05	.02							
Cloudiness and other conditions						← Cloudy			← Pt. Cloudy			
Sunshine (in tenths of hours)						0	0	0.3	1.0	1.0	1.0	1.0
Wind direction	SW	SW	NW	NW	W	NW	W	W	W	W	W	W
Wind movement	16	20	25	21	20	19	15	20	21	21	23	23
Maximum velocities (exceeding 29 miles) direction and time			34 W 1200									

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	59	61	62	62	61	58	56	54	53	51	50	49
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Clear					
Sunshine (in tenths of hours)	0.6	0.7	1.0	1.0	0.6	0						
Wind direction	W	W	W	W	W	NW	W	W	SW	SW	SW	SW
Wind movement	20	21	19	18	16	11	9	9	8	10	8	9

Sunrise: Time, 5:37 Character, Cloudy

Moonrise: 4:30a

Sunset: Time, 5:25 Character, Clear

Moonset: 4:55p

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
64	49	56	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 3.6 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 3.1 inches.

Character of day, Pt. Cloudy Moon phase, _____

Average daily cloudiness (0-10), 6

Actual sunshine, hours, 9.0 Possible sunshine, hours, 11.8

Per cent of possible sunshine, 76

Prevailing wind direction, NW Total wind 402

Average hourly velocity, 16.8 Extreme velocity, 40

Maximum velocity, 34 Direction, W

Time began, 2:00 a.m.

Reduced barometer, 29.26 7 a. m. 29.96 7, p. m.

River gage, 2.2 Fall

Relative humidity, 84 7 a. m. 66 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

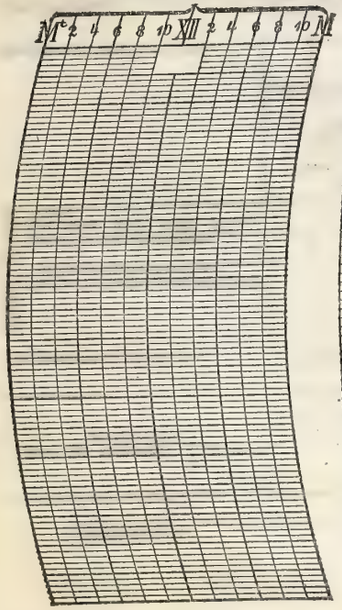
Dry temperature, 59.3 Wet temperature, 53.3

Dew-point, 48 R. humidity, 68 V. pressure, .334

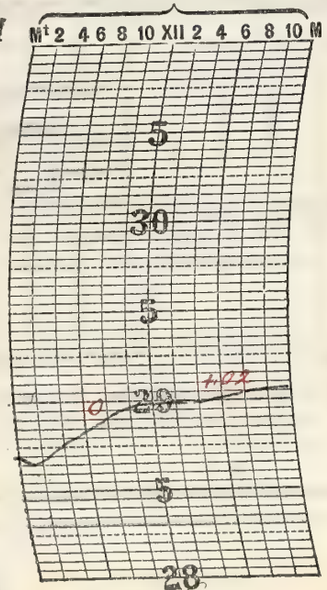
Clouds: Amount, 5; Kind, Cu; Direction, NW

Velocity of clouds (miles per hour) _____

THERMOGRAPH.



BAROGRAPH.



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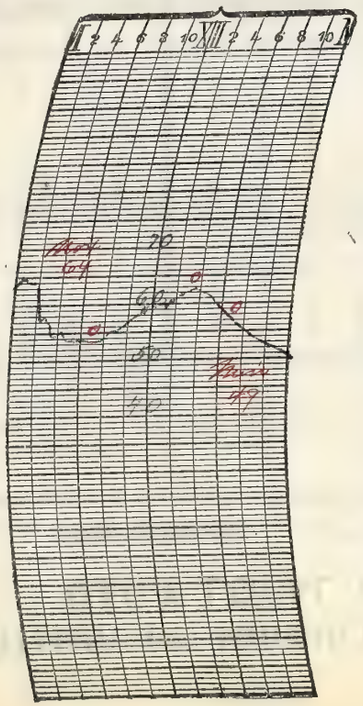


NOTES.

A fearfully cloudy day and cold, pleasant, pleasant evening

Prepared by C. C. S.

Verified by O. M. Kavanaugh

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) Saturday, (Date) OCT 1 1921, 192

Time (local standard). 90 mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	48	48	46	45	45	46	49	55	61	65	67	69
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Clear			→ Pt. Cloudy			
Sunshine (in tenths of hours)						.37 0	0.9 0.1	1.0	1.0	1.0	1.0	1.0
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	SW
Wind movement	7	8	7	8	9	8	10	10	13	15	18	18

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	70	70	70	69	66	64	62	60	58	57	56	56
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					→ Clear							
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	0.2	0						
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	20	17	17	15	11	7	6	9	7	7	8	9

Sunrise: Time, 5:38 Character, Clear. Moonrise: 5:42a

Sunset: Time, 5:23 Character, Cloudy. Moonset: 5:24a

Maximum velocities (exceeding 29 miles) direction and time

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
71	45	58	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt. Cloudy Moon phase, New 6:36am.

Average daily cloudiness (0-10), 4

Actual sunshine, hours, 10.6 Possible sunshine, hours, 11.8

Per cent of possible sunshine, 90

Prevailing wind direction, SW Total wind 264

Average hourly velocity, 11.0 Extreme velocity, 25

Maximum velocity, 29 Direction, SW

Time began, 11:03 a.m.

Reduced barometer, 30.04 7 a. m. 30.00 7 p. m.

River gage, 2.2 Feet.

Relative humidity, 84 7 a. m. 57 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

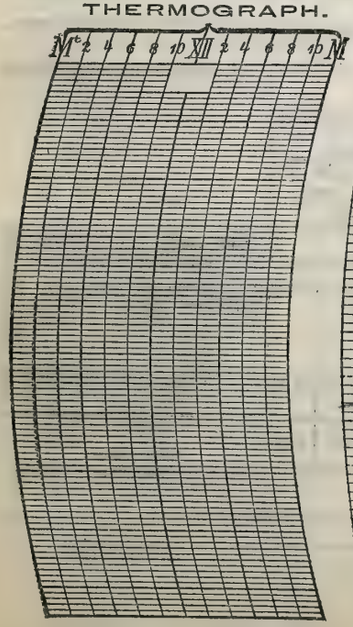
Dry temperature, 69.0 Wet temperature, 55.0

Dew-point, 43 R. humidity, 40 V. pressure, .277

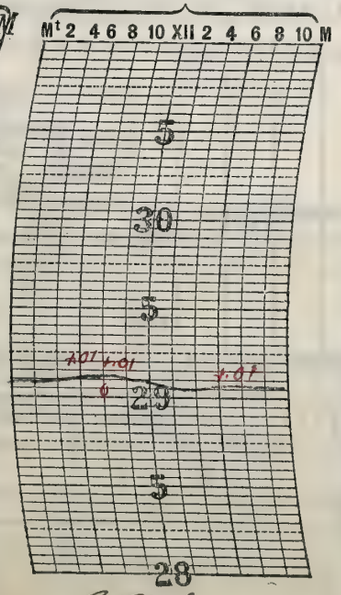
Clouds: Amount, 2/4; Kind, Cst; Direction, NW

Velocity of clouds (miles per hour)

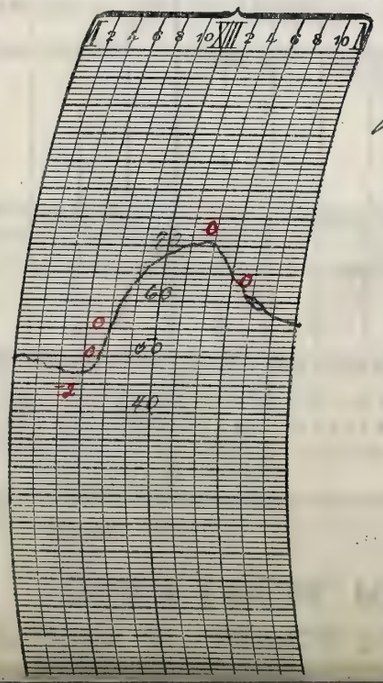
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Heavy dew observed on ground this morning.

Prepared by C. C. S.

Verified by T. M. Donovan

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) Sunday, (Date) OCT 2 1921, 192

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	56	55	54	54	54	54	55	55	58	63	65	65
State of weather. Nature of precipitation and time of beginning and ending								RB 7:28	RE 8:34			RB 11:03 RE 11:37
Amounts of precipitation								T	T			T
Cloudiness and other conditions						← Cloudy						
Sunshine (in tenths of hours)							0	0	0	0	0	0.1
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	7	6	7	7	7	7	6	6	4	4	5	3

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	66	66	64	62	60	58	56	56	56	56	56	56
State of weather. Nature of precipitation and time of beginning and ending					RB 4:38			RE 9:08	–			
Amounts of precipitation					T	T	.01	T				
Cloudiness and other conditions					Cloudy →							
Sunshine (in tenths of hours)	0	0	0	0	0	0						
Wind direction	SW	W	E	N	N	N	N	E	E	SE	SE	S
Wind movement	2	3	3	6	7	5	5	5	5	3	5	3

Sunrise: Time, 5:39 Character, Cloudy

Moonrise: 6:52a

Sunset: Time, 5:22 Character, Cloudy

Moonset: 6:09p.

Maximum velocities (exceeding 29 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
66	53	60	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., .01 ins.

Total precipitation, midnight to midnight, .01 inches.

Character of day, Cloudy Moon phase, _____

Average daily cloudiness (0-10), 10

Actual sunshine, hours, 0.1 Possible sunshine, hours, 11.7

Per cent of possible sunshine, 1

Prevailing wind direction, SW Total wind 123

Average hourly velocity, 5.1 Extreme velocity, 9

Maximum velocity, 9 Direction, N

Time began, 4:57 p.m.

Reduced barometer, 29.95 7 a. m. 29.84 7 p. m.

River gage, 2.1 Feet

Relative humidity, 76 7 a. m. 88 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

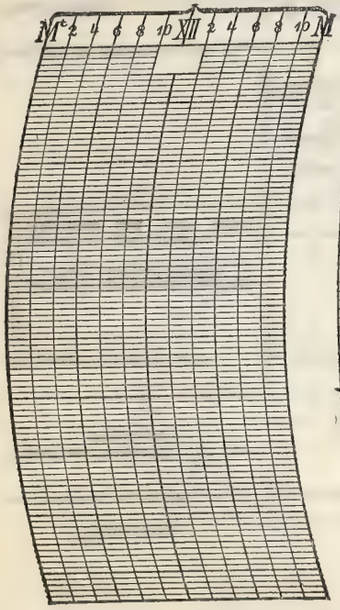
Dry temperature, 65.0 Wet temperature, 58.0

Dew-point, 53 R. humidity, 66 V. pressure, 410.2

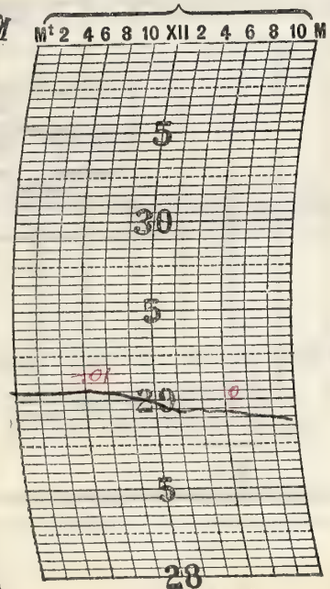
Clouds: Amount, 10; Kind, St Cu; Direction, SW

Velocity of clouds (miles per hour)

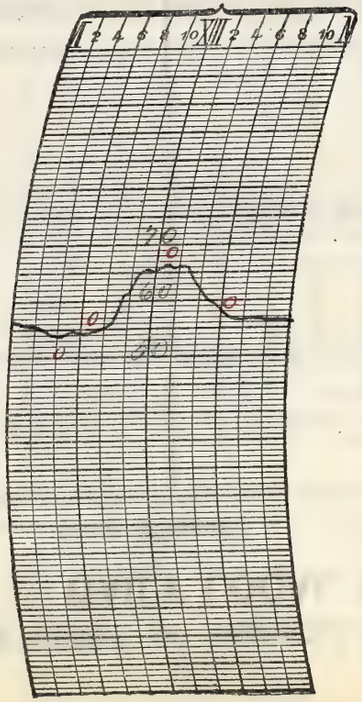
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A cloudy and gloomy day with moderately low temperatures and intermittent showers.

Prepared by _____

Verified by P. McDonough

8—186

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) Monday, (Date) OCT [illegible] 1921, 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	54	54	53	52	51	51	51	54	55	50	55	55
State of weather: Nature of precipitation and time of beginning and ending										PB 9:39 RE 9:56		
Amounts of precipitation										T		
Cloudiness and other conditions						← Cloudy				Pl. Cldy	Cldy	Cldy
Sunrise: Time, Character, 5:40 Cloudy												
Moonrise: 8:00a												
Sunshine (in tenths of hours)						0	0	0	0.6	0.8	0.6	0.4
Wind direction	S	NW	N	NW	NW	NW	W	W	NW	NW	NW	NW
Wind movement	3	10	8	9	7	6	6	9	10	15	11	15
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	56	55	54	54	52	51	50	46	45	44	42	42
State of weather: Nature of precipitation and time of beginning and ending								RSB 9:29	—	RSE 9:26		
Amounts of precipitation								T	T	T		
Cloudiness and other conditions	— Pl. Cloudy			→ Clear		→ Pl. Cldy		Cloudy		→		
Sunset: Time, Character, 5:20 Cloudy												
Moonset: 6:40p												
Sunshine (in tenths of hours)	0.6	0.7	1.0	0.5	0.4	0						
Wind direction	NW	NW	NW	NW	NW	NW	NW	NW	NW	W	NW	W
Wind movement	19	18	22	18	17	9	6	7	10	11	13	9

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
57	42	50	

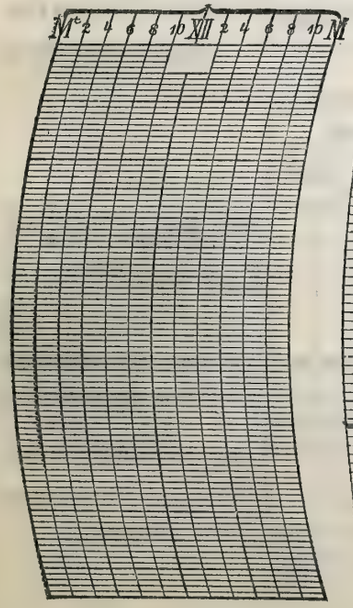
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pl. Cloudy Moon phase,
Average daily cloudiness (0-10), 6.
Actual sunshine, hours, 5.6 Possible sunshine, hours, 11.7
Per cent of possible sunshine, 48
Prevailing wind direction, NW Total wind 268
Average hourly velocity, 11.2 Extreme velocity, 25
Maximum velocity, 24 Direction, NW
Time began, 2:39 p.m.
Reduced barometer, 29.81 7 a. m. 29.82 7 p. m.
River gage, 2.1 Feet.
Relative humidity, 93 7 a. m. 69 7 p. m.

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

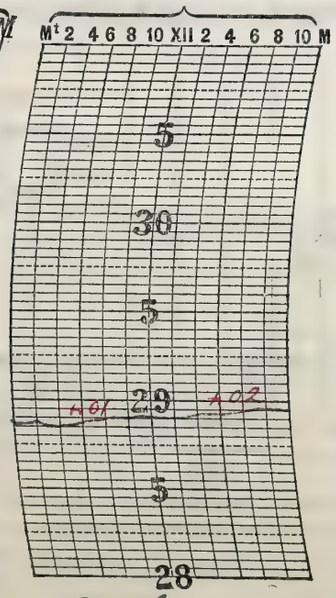
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 56.3 Wet temperature, 52.4
Dew-point, 50 R. humidity, 77 V. pressure, 36.0
Clouds: Amount, 7; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

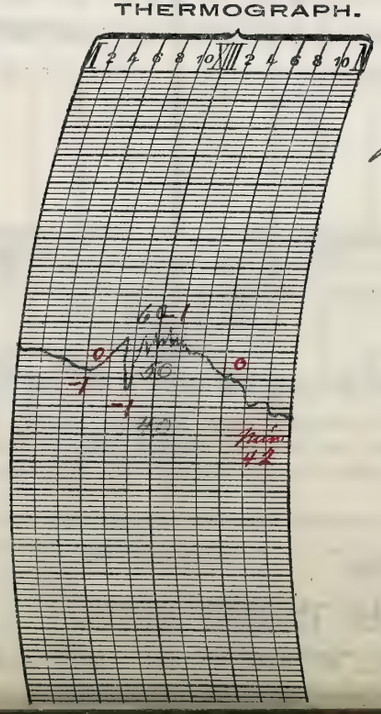
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Heavy deposit of dew on ground this morning.
A pretty cloudy day with moderately cool temperatures.
The first snow of the season fell during the early night hours, mingled with rain and melted as it fell.

Prepared by [illegible]
Verified by [illegible]

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) Tuesday, (Date) OCT — [illegible], 192

Time (local standard) 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	42	41	40	39	38	38	41	44	47	49	52	53	54	54	53	52	50	48	48	48	47	45	44	43
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						← Clear	×	Pt. Cloudy	×	Cloudy		×		Pt. Cloudy			×		Clear			→		
Sunrise: Time, 5:41 Character, Clear																					Sunset: Time, 5:19 Character, Cloudy			
Moonrise: 9:05a																					Moonset: 7:52p			
Sunshine (in tenths of hours)						.32 0	1.0 0	0.3	0.6	0.4	0.8	0.6	0.6	0.9	0.4	0.7	0	0						
Wind direction	NW	NW	W	W	W	W	W	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	W	W	W
Wind movement	9	12	11	8	8	8	8	12	13	15	14	17	16	15	17	17	15	12	9	7	7	7	7	6
Maximum velocities (exceeding 29 miles) direction and time																								

	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
55	38	46	

Total depth of snow for 24 hours ending 7 p. m., T inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt. Cloudy Moon phase,

Average daily cloudiness (0-10), 6

Actual sunshine, hours, 6.6 Possible sunshine, hours, 11.6

Per cent of possible sunshine, 57

Prevailing wind direction, NW Total wind 250

Average hourly velocity, 11.2 Extreme velocity, 23

Maximum velocity, 22 Direction, NW

Time began, 5:13 p.m.

Reduced barometer, 29.92 7 a. m. 30.08 7 p. m.

River gage, 2.0 feet

Relative humidity, 87 7 a. m. 83 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

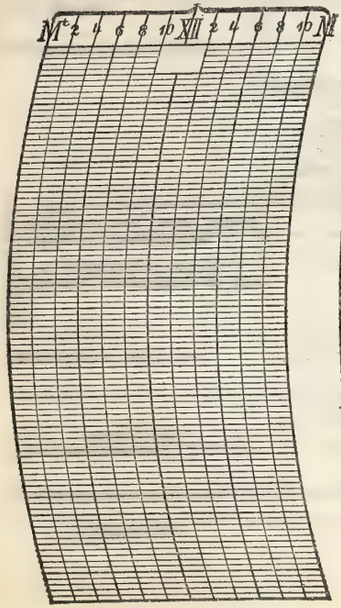
Dry temperature, 52.1 Wet temperature, 48.0

Dew-point, 44 R. humidity, 74 V. pressure, .287

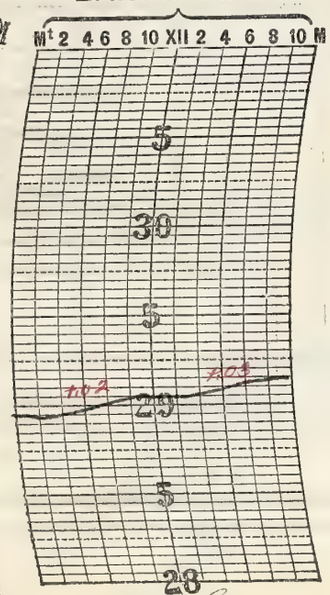
Clouds: Amount, 9; Kind, Sc Cu; Direction, N

Velocity of clouds (miles per hour)

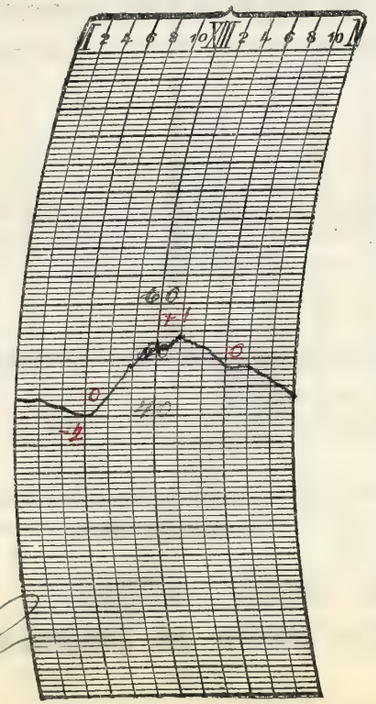
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Light frost occurred this morning.
At Franklin cloudy and rather cool day, very invigorating

Prepared by [illegible]

Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) ....., (Day of week) Wednesday, (Date) [illegible], 192

Time (local standard). 90 mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	41	40	39	38	38	40	41	48	53	56	59	61
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Clear						
Sunshine (in tenths of hours)						.30 0	1.0 0	0.2 0.8	1.0	1.0	1.0	1.0
Wind direction	W	W	W	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	6	5	6	9	11	11	11	11	11	17	18	19

Sunrise: Time, 5:42 Character, Clear

Moonrise: 10:07a

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	62	64	64	63	61	59	58	56	55	54	53	53
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					→ Clear							
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	0.7 0.3	.28 0						
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	22	20	21	22	20	14	15	13	16	16	14	13

Sunset: Time, 6:17 Character, Clear

Moonset: 8:17p

Maximum velocities (exceeding 29 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
64	38	51	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase, ...

Average daily cloudiness (0-10), Few

Actual sunshine, hours, 11.6 Possible sunshine, hours, 11.6

Per cent of possible sunshine, 100

Prevailing wind direction, SW Total wind 341

Average hourly velocity, 14.2 Extreme velocity, 27

Maximum velocity, 26 Direction, SW

Time began, 12:37 p.m.

Reduced barometer, 30.12 7 a. m. 29.99 7 p. m.

River gage, 2.0 Feet

Relative humidity, 80 7 a. m. 72 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

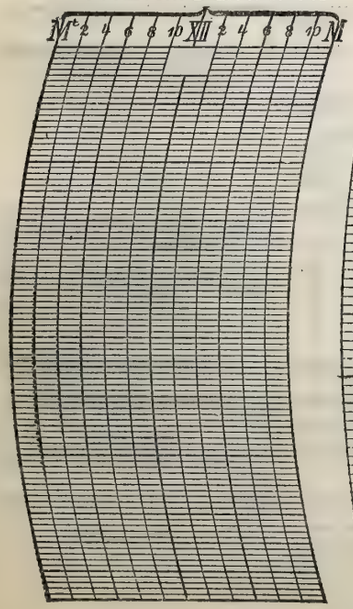
Dry temperature, 59.8 Wet temperature, 52.3

Dew-point, 46 R. humidity, 61 V. pressure, 27.0

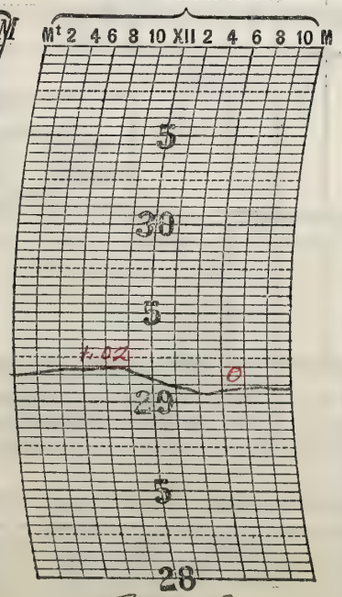
Clouds: Amount, 0; Kind, 0; Direction, 0

Velocity of clouds (miles per hour).....

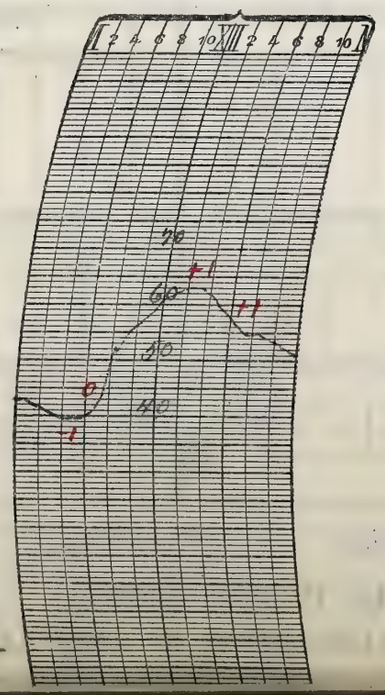
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Prepared by CCS

Verified by P. McDonough

NOTES.

Light frost occurred this morning.

A clear, cool and rather invigorating day.

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) Thursday, (Date) OCT 6 1921, 192

Time (local standard). 90" mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	50	49	48	48	47	47	48	54	58	63	66	69
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						←			Clear			
Sunshine (in tenths of hours)						.28 0	1.0 0	0.5 0.5	0.8	1.0	1.0	1.0
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	13	13	15	11	11	8	9	10	10	7	8	10

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	71	72	72	72	70	68	68	65	64	64 50	63	62
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation										T	T	T
Cloudiness and other conditions	Clear				→	Pt. Cldy	→		Cloudy			
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0	.5	.2						
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	S	SW	SW	SW
Wind movement	8	9	10	10	6	2	3	9	12	14	12	2

Sunrise: Time, 5:43 Character, Clear
Moonrise: 11:02a
Sunset: Time, 5:15 Character, Cloudy
Moonset: 9:06p

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

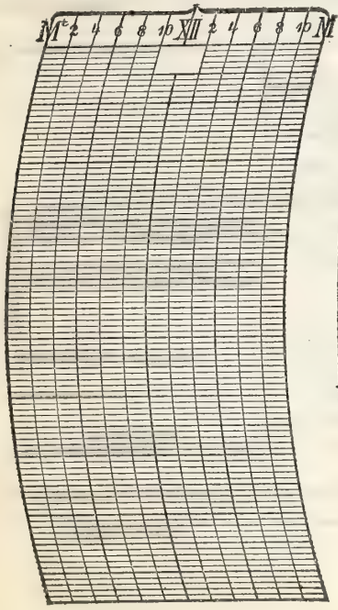
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
73	47	60	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0–10), 1
Actual sunshine, hours, 10.1 Possible sunshine, hours, 11.5
Per cent of possible sunshine, 88
Prevailing wind direction, SW Total wind 255
Average hourly velocity, 9.6 Extreme velocity, 18
Maximum velocity, 19 Direction, SW
Time began, 10:45 p.m.
Reduced barometer, 30.02 7 a. m. 29.90 7 p. m.
River gage, 2.0 Feet
Relative humidity, 85 7 a. m. 75 7 p. m.

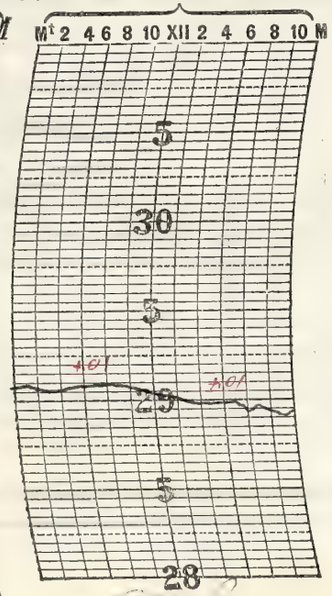
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 68.0 Wet temperature, 58.8
Dew-point, 51 R. humidity, 56 V. pressure, .33
Clouds: Amount, 1; Kind, Ast; Direction NW.
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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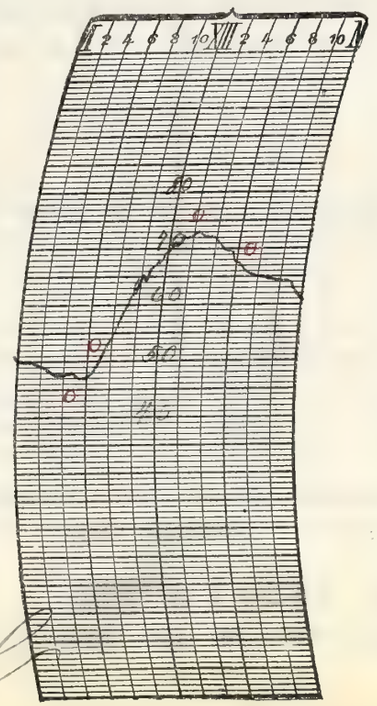


NOTES.

A clear day with moderate temperatures

Prepared by

Verified by P. M. Donough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wright, Iowa, (Day of week) Friday, (Date) Oct. 1921, 192

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	59	59	58	58	58	58	55	51	50	50	50	48
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation	.04	.04	.13	.18	.06	.02	.01	.01	.01	.03	.05	.03
Cloudiness and other conditions						← Cloudy						
Sunrise: Time, Character,	5:44 Cloudy											
Moonrise:	11:52a											
Sunshine (in tenths of hours)						0	0	0	0	0	0	0
Wind direction	SW	S	SW	S	S	SW	SW	SW	NW	NW	NW	NW
Wind movement	6	8	7	10	15	15	16	12	12	11	11	12
Maximum velocities (exceeding 20 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	47	47	47	46	45	43	43	42	41	40	40	40
State of weather. Nature of precipitation and time of beginning and ending							RE 6:50					
Amounts of precipitation	.05	.09	.10	.10	.04	.05	.04					
Cloudiness and other conditions					← Cloudy				Cloudy			
Sunset: Time, Character,									5:44 Cloudy			
Moonset:									9:58P			
Sunshine (in tenths of hours)	0	0	0	0	0	0						
Wind direction	NW	NW	NW	W	NW	NW	NW	W	W	W	W	W
Wind movement	14	11	8	12	13	12	14	12	12	12	14	13
Maximum velocities (exceeding 20 miles) direction and time												

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
61	40	50	✓

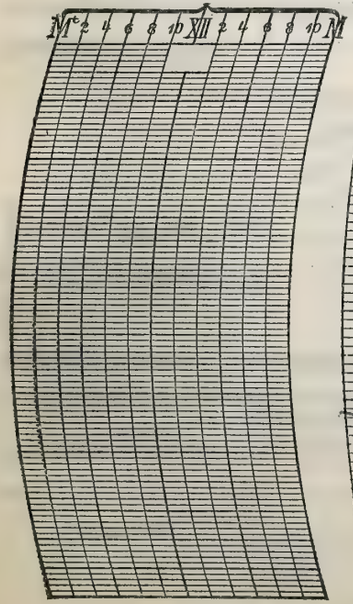
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .42 ins.; to 7 p. m., .81 ins.
Total precipitation, midnight to midnight, 1.23 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 11.5
Per cent of possible sunshine, 0
Prevailing wind direction, NW Total wind 284
Average hourly velocity, 11.8 Extreme velocity, 21
Maximum velocity, 20 Direction, NW
Time began, 6:03 P.M.
Reduced barometer, 29.30 7 a. m. 29.89 7 p. m.
River gage, 2.17 5.55
Relative humidity, 94 7 a. m. 95 7 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

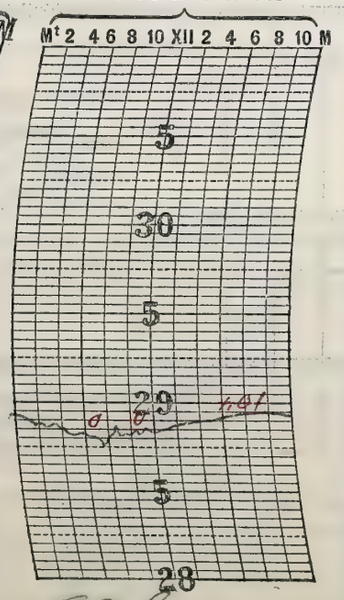
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 49.0 Wet temperature, 47.5
Dew-point, 46 R. humidity, 90 V. pressure, .210
Clouds: Amount, 10; Kind, Nb; Direction, NW
Velocity of clouds (miles per hour)

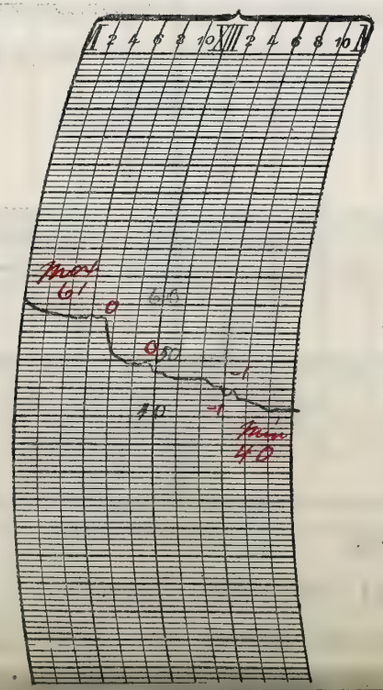
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Special 12:00 Noon (75th Meridian Time) observation called for by the Central Office. Filled at 11:18 a.m. Feel there might frost (probably) warning included in regular morning forecast received at 8:05 a.m. It was printed on cards and bulletin and given to long distance telephone subscribers. A cloudy, rainy, cool, and disagreeable day.

Prepared by
Verified by P. McDonough

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) OCT 8 1921, 192

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	41	40	39	38	38	38	39	40	42	45	43	43
State of weather: Nature of precipitation and time of beginning and ending				AB DNR 1hr DNR							RSB 10:10 RSB 10:28	AB 11:03 RE 11:52
Amounts of precipitation				.03							T	T
Cloudiness and other conditions								Cloudy				
Sunrise: Time, 5:45 Character, Cloudy												
Moonrise: 12:37P												
Sunshine (in tenths of hours)						0	0	0	0.5	1.0	0	0
Wind direction	W	W	W	W	W	W	W	W	W	W	NW	NW
Wind movement	11	14	14	14	13	9	12	12	14	15	16	12

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	44	46	45	45	45	45	44	44	44	44	45	45
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions				Cloudy								
Sunset: Time, 5:13 Character, Cloudy												
Moonset: 12:34A												
Sunshine (in tenths of hours)	0	0.3	0	0	0	0						
Wind direction	NW	W	W	W	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	8	14	16	15	11	9	13	13	16	13	18	18

Maximum velocities (exceeding ____ miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

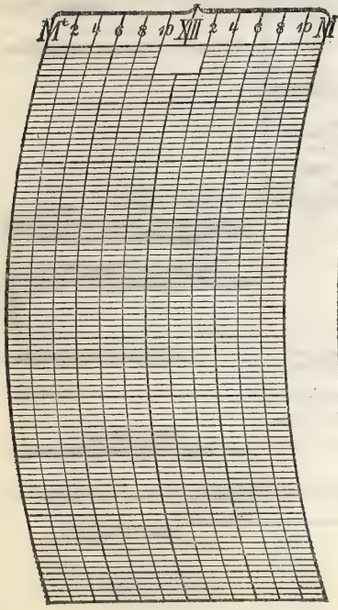
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
47	38	42	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .03 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .03 inches.
Character of day, Cloudy Moon phase, F.Q. 0:12P
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 1.8 Possible sunshine, hours, 11.4
Per cent of possible sunshine, 16
Prevailing wind direction, W Total wind 314
Average hourly velocity, 13.1 Extreme velocity, 25
Maximum velocity, 23 Direction, W
Time began, 11:57 p.m.
Reduced barometer, 29.91 7 a. m. 29.95 7, p. m.
River gage, 3.3 feet
Relative humidity, 7 a. m. 84 7 p. m.

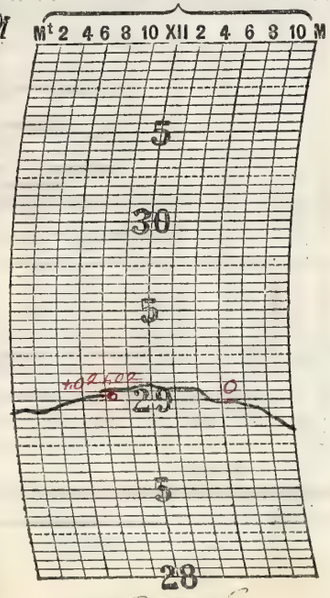
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 43.1 Wet temperature, 40.8
Dew-point, 38 R. humidity, 83 V. pressure, .228
Clouds: Amount, 10; Kind, Nb; Direction, NW
Velocity of clouds (miles per hour)

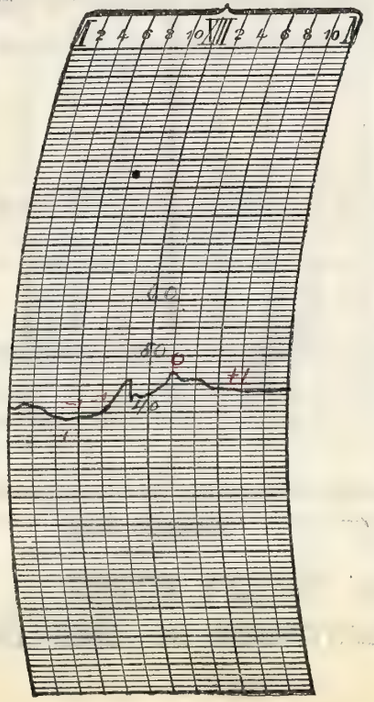
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A cloudy and cool day with light showers and some sleet during the morning.

Prepared by

Verified by P. M. Donough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Bear Mountain, [illegible], (Day of week) Sunday, (Date) OCT 9 1921, 192

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	44	44	44	44	43	43	44	48	52	55	59	62	62	64	65	63	62	60	60	58	57	55	55	55
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						← Cloudy					Pt. Cloudy						× Cloudy							
Sunrise: Time, 5:46 Character, Cloudy																								
Moonrise: 1:42 a.																								
Sunset: Time, 5:10 Character, Cloudy																								
Moonset: 11:44 p																								
Sunshine (in tenths of hours)						0	0	0.5	0.6	0.2	0.2	0.2	0.2	0.5	1.0	0.8	0	0						
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	SW	SW	W	W	W	W	W	W	W	S	S	S	S	S
Wind movement	17	17	15	15	13	11	12	12	12	10	12	14	15	12	12	12	6	3	4	5	6	3	2	5
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

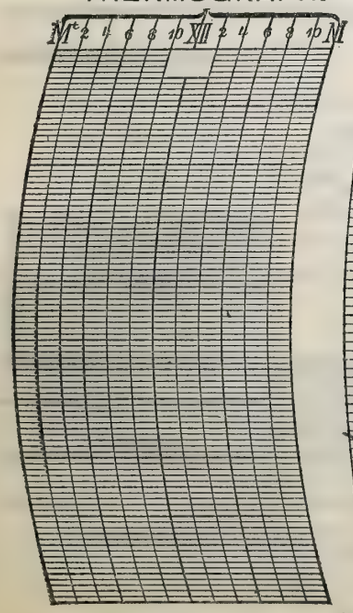
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
65	43	54	✓

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 7.2 Possible sunshine, hours, 11.4
Per cent of possible sunshine, 63
Prevailing wind direction, SW Total wind 248
Average hourly velocity, 10.3 Extreme velocity, 22
Maximum velocity, 31 Direction, SW
Time began, 1:55 a. m.
Reduced barometer, 29.69 7 a. m. 29.73 7 p. m.
River gage, 3.3 for 1
Relative humidity, 83 7 a. m. 56 7 p. m.

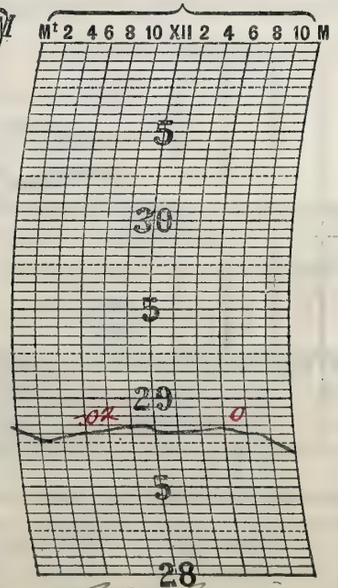
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 61.3 Wet temperature, 53.8
Dew-point, 48 R. humidity, 61 V. pressure, .334
Clouds: Amount, 6; Kind, Ci. St.; Direction, NW
Velocity of clouds (miles per hour)

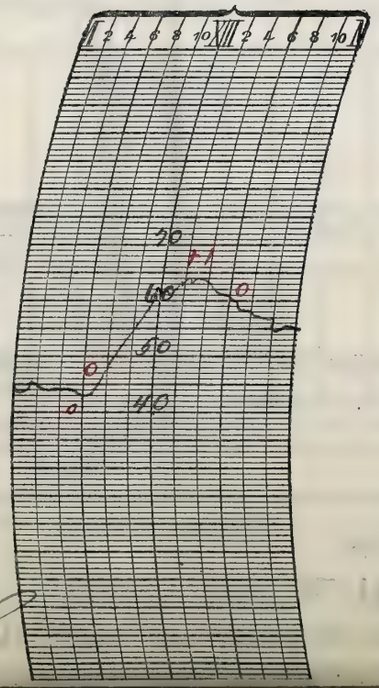
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Prepared by [illegible]

Verified by [illegible]

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) West Warren Dam, (Day of week) Sunday, (Date) OCT 19 1924, 192

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	52	51	51	49	48	48	48	49	50	51	53	54
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Pt. Cloudy ×				Cloudy		
Sunshine (in tenths of hours)						0	0	0	0.1	0.8	0.8	0.8
Wind direction	S	E	E	N	N	N	N	N	NW	NW	NW	NW
Wind movement	4	5	4	12	13	10	8	9	10	12	11	5

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	55	58	58	58	55	53	52	51	51	51	51	51
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	×	Pt. Cloudy					×	Cloudy				→
Sunshine (in tenths of hours)	0.4	0.2	0.4	0.6	0.1	0						
Wind direction	NW	NW	SW	W	SW	S	S	SW	SW	SW	S	SW
Wind movement	7	4	8	12	6	6	7	7	8	6	2	2

Sunrise: Time, 5:42 Character, Cloudy

Moonrise: 1:52 P

Sunset: Time, 5:09 Character, Cloudy

Moonset: —

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
58	48	53	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, — inches.

Character of day, Pt. Cloudy Moon phase,

Average daily cloudiness (0-10),

Actual sunshine, hours, 4.2 Possible sunshine, hours, 11.4

Per cent of possible sunshine, 37

Prevailing wind direction, SW to NW Total wind 193

Average hourly velocity, 8.0 Extreme velocity, 15

Maximum velocity, 15 Direction, N

Time began, 9:55 a. m.

Reduced barometer, 29.7 7 a. m. 29.6 7 p. m.

River gage, 3.0 Feet

Relative humidity, 80 7 a. m. 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

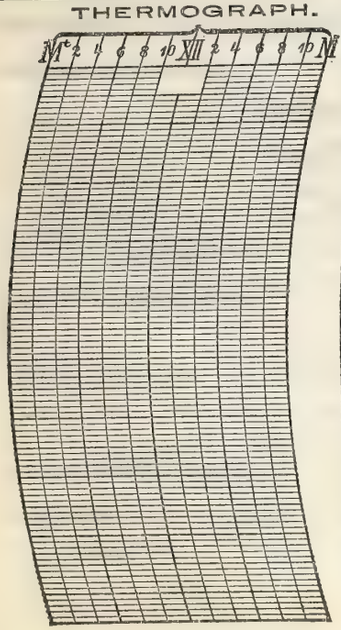
Dry temperature, 54.0 Wet temperature, 49.0

Dew-point, 44 R. humidity, 70 V. pressure, .280

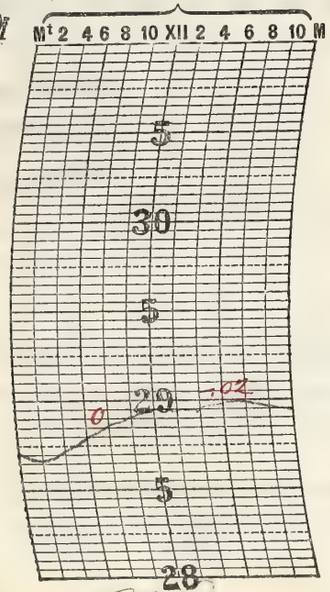
Clouds: Amount, 2 Cu; Kind, Cu; Direction, W

Velocity of clouds (miles per hour)

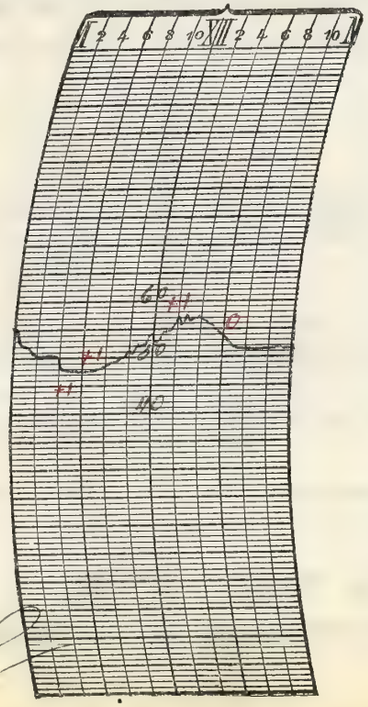
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A fairly cloudy day with moderate westerlies

Prepared by

Verified by C. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) Oct 11 1928, 192

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	51	51	50	49	47	44	46	48	48	46	44	42
State of weather. Nature of precipitation and time of beginning and ending										RB 8:55		
Amounts of precipitation										T	.01	.01
Cloudiness and other conditions						←			Cloudy			
Sunrise: Time, Character,	5:48 Cloudy											
Moonrise:	2:26 P											
Sunshine (in tenths of hours)						0	0	0	0	0	0	0
Wind direction	SW	SW	SW	W	W	W	W	W	W	W	W	SW
Wind movement	9	9	9	9	11	13	12	15	15	18	19	21
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	44	44	44	44	43	43	43	42	41	40	39	39
State of weather. Nature of precipitation and time of beginning and ending						RF 0:50						
Amounts of precipitation	.02	.03	.01	.02	.01	.01						
Cloudiness and other conditions				Cloudy								
Sunset: Time, Character,									5:02 Cloudy			
Moonset:									12:41 a			
Sunshine (in tenths of hours)	0	0	0	0	0	0						
Wind direction	W	W	W	W	N	N	N	NW	NW	NW	W	W
Wind movement	21	19	10	9	14	10	8	6	8	7	6	8
Maximum velocities (exceeding 29 miles) direction and time												

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
51	39	45	

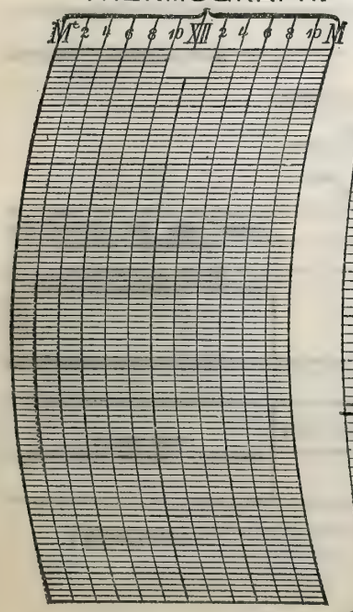
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .12 ins.
Total precipitation, midnight to midnight, .12 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 11.3
Per cent of possible sunshine, 0
Prevailing wind direction, W Total wind 391
Average hourly velocity, 10.9 Extreme velocity, 46
Maximum velocity, 25 Direction, SW
Time began, 11:55 a.m.
Reduced barometer, 29.89 7 a. m. 30.08 7 p. m.
River gage, 3.0 Fall
Relative humidity, 90 7 a. m. 91 7 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

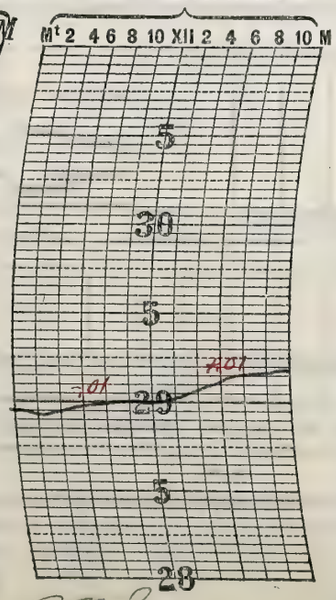
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 44.0 Wet temperature, 43.0
Dew-point, 42 R. humidity, 92 V. pressure, .21
Clouds: Amount, 10; Kind, Nb; Direction, W
Velocity of clouds (miles per hour)

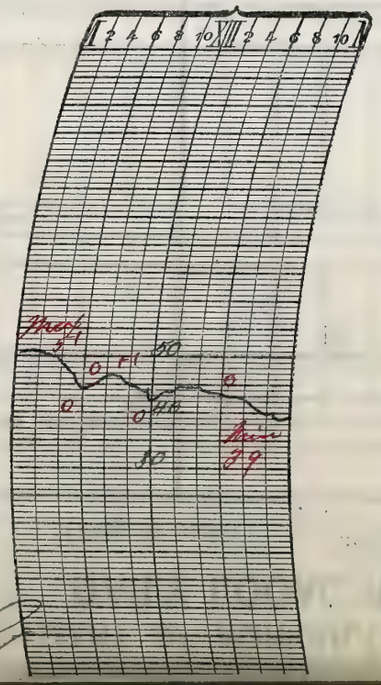
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A cloudy, gloomy and rainy day with moderately cool temperatures.

Prepared by [illegible]
Verified by P. McDonough

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) OCT 12 1921, 192

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	40	39	38	36	37	38	38	40	42	43	43	40
State of weather: Nature of precipitation and time of beginning and ending			RB DNR		RE DNR							RB 11:36 RE 11:53
Amounts of precipitation			T	.03	.02							T
Cloudiness and other conditions						←		Cloudy				

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	46	42	40	42	42	41	41	41	40	39	38	38
State of weather: Nature of precipitation and time of beginning and ending				RB 3:02 RE 3:15								
Amounts of precipitation				T								
Cloudiness and other conditions												

Sunrise: Time, 5:49 Character, Cloudy
Moonrise: 2:56p.
Sunset: Time, 5:06 Character, Cloudy
Moonset: 1:30a.

	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)						0	0	0	0.1	0.2	0.2	0
Wind direction	W	NW	NW	NW	NW	NW	W	W	NW	NW	NW	NW
Wind movement	9	8	5	6	6	5	7	7	10	13	12	14
Maximum velocities (exceeding 20 miles) direction and time												

	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)	0.4	1.0	0.7	0	0	0						
Wind direction	W	NW	NW	W	W	W	W	W	W	W	W	W
Wind movement	10	14	14	9	6	5	3	3	3	4	3	4
Maximum velocities (exceeding 20 miles) direction and time												

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

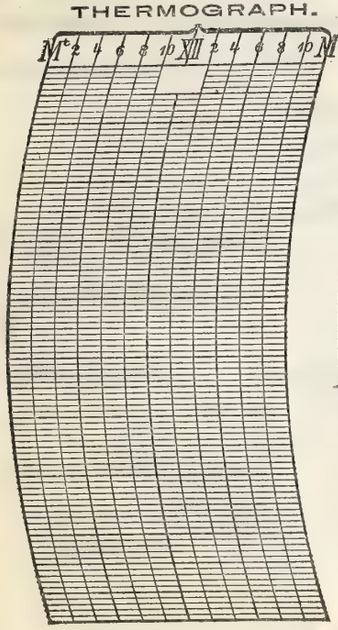
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
48	36	42	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .05 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, 0.5 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 2.1 Possible sunshine, hours, 11.3
Per cent of possible sunshine, 33
Prevailing wind direction, W. Total wind 181
Average hourly velocity, 7.5 Extreme velocity, 36
Maximum velocity, 24 Direction, NW
Time began, 11:33 a.m.
Reduced barometer, 30.23 7 a. m. 30.30 7 p. m.
River gage, 2.7 Feet
Relative humidity, 96 7 a. m. 87 7 p. m.

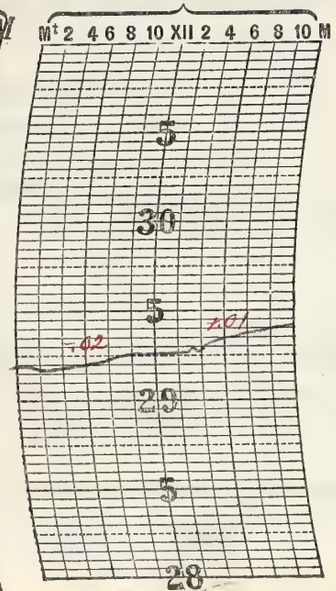
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 39.2 Wet temperature, 38.7
Dew-point, 38 R. humidity, 96 V. pressure, .228
Clouds: Amount, 10; Kind, Nb; Direction, NW
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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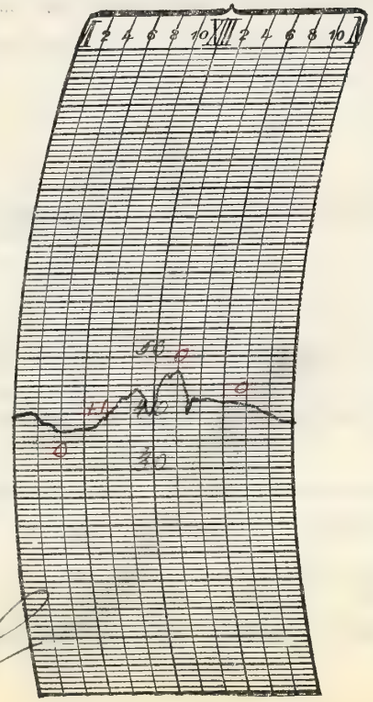


NOTES.

A cloudy, cold and rainy day with occasional showers.
Light fog began - 7:35 p.m.
Light fog ended - 10:10 p.m.

Prepared by
Verified by P. McDonough

S—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) Oct. 1, 1925, 192

Time (local standard). 90° mer. normal time.

	A. M.												P. M.											
	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	37	36	36	36	35	34	36	43	48	52	55	57	58	59	59	57	53	51	51	48	46	45	44	43
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						←			Clear								Clear						→	
Sunrise: Time, Character,	5:57 Clear																				Sunset: Time, Character,	5:04 Clear		
Moonrise:	3:26p																				Moonset:	2:34a		
Sunshine (in tenths of hours)						.15 0	1.0 0	0.8 0.2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.2 0.8	1.0 0	.07 0						
Wind direction	W	W	W	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	4	3	6	3	5	6	9	9	11	12	15	13	13	12	13	12	10	8	8	9	9	9	8	7
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

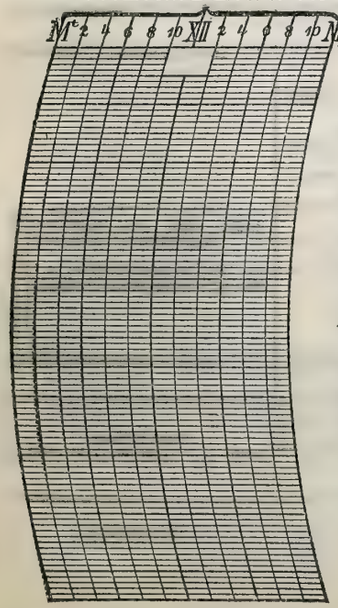
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
59	34	46	✓

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 0
Actual sunshine, hours, 11.2 Possible sunshine, hours, 11.2
Per cent of possible sunshine, 100
Prevailing wind direction, SW Total wind 217
Average hourly velocity, 9.0 Extreme velocity, 17
Maximum velocity, 16 Direction, SW
Time began, 10:05 a.m.
Reduced barometer, 30.46 7 a. m. 30.32 7, p. m.
River gage, 2.6 feet.
Relative humidity, 87 7 a. m. 62 7 p. m.

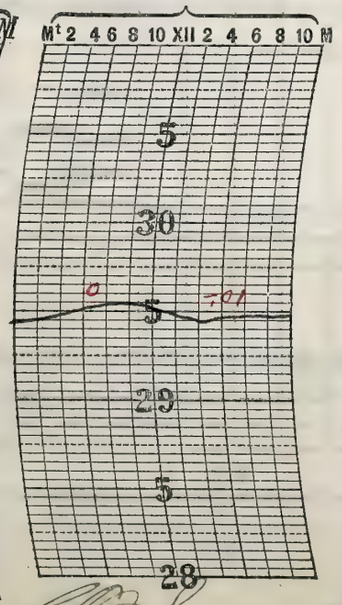
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 56.0 Wet temperature, 49.8
Dew-point, 46 R. humidity, 65 V. pressure, .298
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

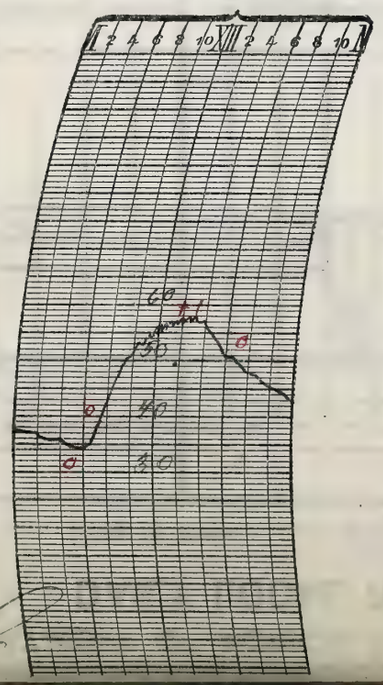
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Killing frost occurred this morning. The word "Cease" was included in the a.m. observational message.
A clear day with moderate temperatures.

Prepared by

Verified by

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) [illegible], (Date) OCT 11 1921, 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	41	40	39	38	38	39	41	48	53	56	58	60
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Clear						
Sunshine (in tenths of hours)						0	0	0.5	1.0	1.0	1.0	1.0
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	8	8	8	10	8	7	7	2	11	13	15	12

Sunrise: Time, 5:52; Character, Clear. Moonrise: 8:56 p.

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	63	64	63	62	59	57	56	54	52	51	49	48
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					Clear →							
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.9	0	0						
Wind direction	SW	SW	SW	S	S	S	S	S	S	S	S	S
Wind movement	19	15	16	15	9	9	8	9	8	9	9	7

Sunset: Time, 5:02; Character, Clear. Moonset: 8:32 a.

Maximum velocities (exceeding 29 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.

Excessive precipitation, accumulated amounts.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

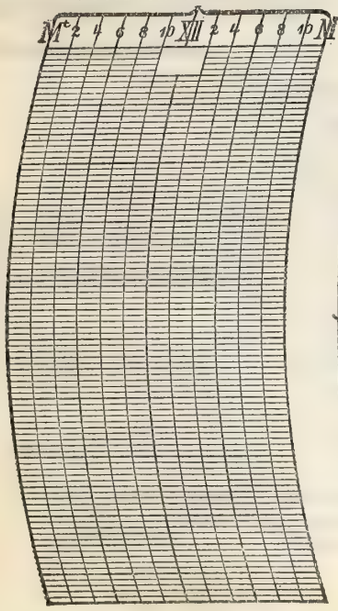
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
60.5	38	53	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 0
Actual sunshine, hours, 11.2 Possible sunshine, hours, 11.2
Per cent of possible sunshine, 100
Prevailing wind direction, SW Total wind 242
Average hourly velocity, 10.1 Extreme velocity, 20
Maximum velocity, 19 Direction, S
Time began, 1:14 p.m.
Reduced barometer, 30.45 7 a. m. 30.22 7 p. m.
River gage, 2.4 Feet
Relative humidity, 62 7 a. m. 62 7 p. m.

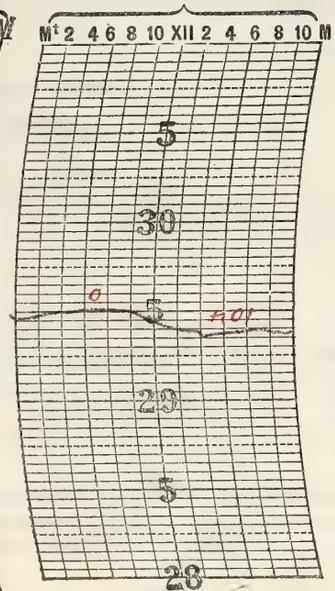
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 61.0 Wet temperature, 52.0
Dew-point, 54 R. humidity, 72 V. pressure, .412
Clouds: Amount, 0; Kind, 0; Direction, 0
Velocity of clouds (miles per hour)

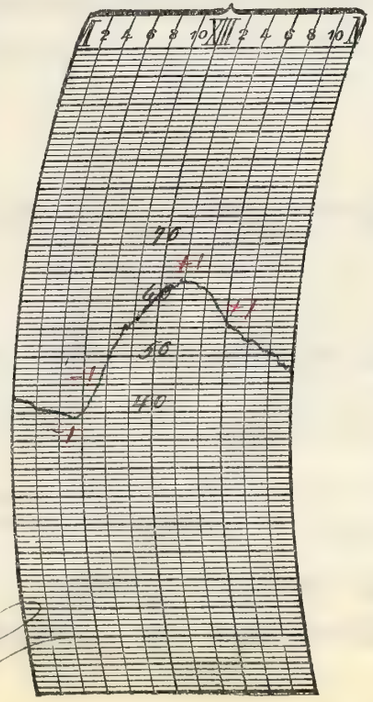
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A cloudless day with moderate temperatures

Prepared by P. M. Donough

Verified by

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Saturday, (Date) Oct. 1928, 192

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	46	45	45	45	43	45	45	51	57	62	65	66
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions									Clear			
Sunshine (in tenths of hours)						.12 0	1.0 0	0.4 0.3	1.0	1.0	1.0	1.0
Wind direction	S	S	S	S	S	S	S	SW	SW	SW	SW	SW
Wind movement	8	8	6	8	7	8	4	9	9	9	11	13

Sunrise: Time, 5:53 Character, Clear. Moonrise: 4:26 P.

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	67	67	67	65	63	61	60	57	57	57	56	55
State of weather: Nature of precipitation and time of beginning and ending											RB 10:00 RE 10:49	
Amounts of precipitation											T	
Cloudiness and other conditions						Clear			Pt. Cloudy		Cloudy	
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.1	0	0						
Wind direction	SW	SW	SW	SW	S	S	S	S	S	SW	S	SW
Wind movement	12	13	11	10	7	5	6	5	5	5	7	5

Sunset: Time, 5:01 Character, Cloudy. Moonset: 4:42 A.

Maximum velocities (exceeding 30 miles) direction and time.

Excessive precipitation, accumulated amounts.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

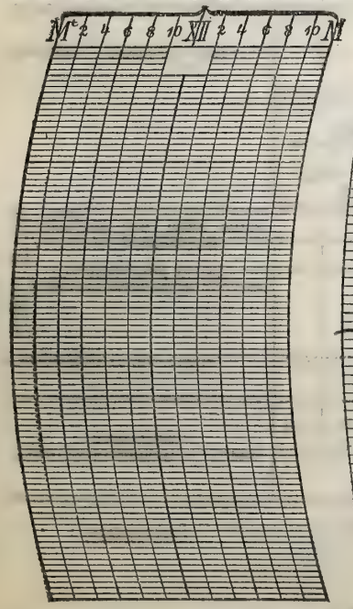
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
67	43	55	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear. Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 8.0 Possible sunshine, hours, 11.1
Per cent of possible sunshine, 80
Prevailing wind direction, S Total wind 194
Average hourly velocity, 8.1 Extreme velocity, 17
Maximum velocity, 16 Direction, SW
Time began, 12:05 p.m.
Reduced barometer, 30.31 7 a. m. 30.17 7 p. m.
River gage, 2.4 Feet
Relative humidity, 60 7 a. m. 60 7 p. m.

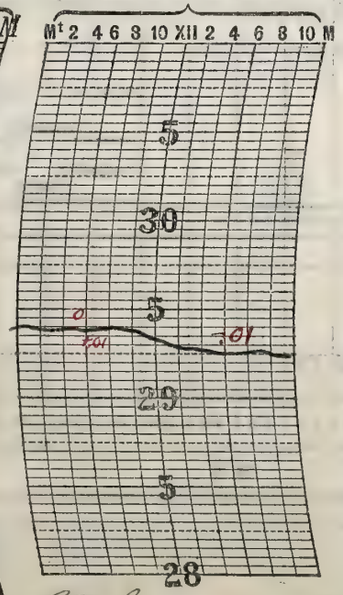
OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 65.0 Wet temperature, 54.5
Dew-point, 38 R. humidity, 38 V. pressure, 23.7
Clouds: Amount, 1; Kind, Ast; Direction, NW
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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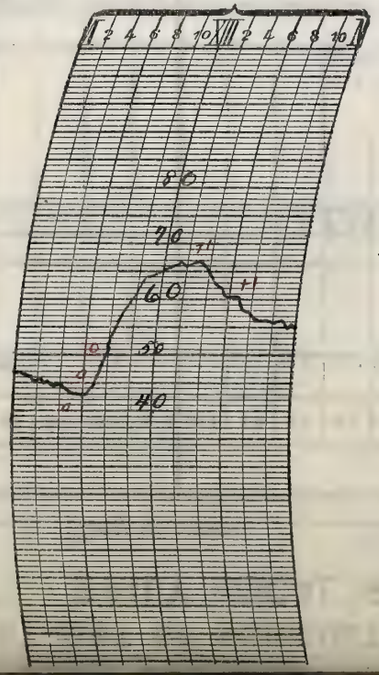


NOTES.

A clear day with moderate temperatures.
A faint lunar halo of 22° radius was observed from 6:45 p.m. until about 8:30 p.m.

Prepared by

Verified by

FORM NO. [illegible]

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) OCT 1 1921, 192

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	55	55	54	54	53	52	54	56	61	66	69	70
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Clear						→
Sunrise: Time, Character,	5:54 Clear											
Moonrise:	4:58p											
Sunshine (in tenths of hours)						1.0 0	1.0 0	0.5 0.5	1.0	1.0	1.0	1.0
Wind direction	SW	SW	SW	S	S	S	S	S	S	SW	SW	SW
Wind movement	2	3	2	5	5	7	5	8	10	11	10	13
Maximum velocities (exceeding 22 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	71	71	70	70	67	65	63	62	60	59	58	58
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Clear →				Pt. Cloudy				→			
Sunset: Time, Character,									4:59 Cloudy			
Moonset:									5:39a			
Sunshine (in tenths of hours)	1.0	1.0	0.5	0.3	0							
Wind direction	SW	SW	SW	SW	SW	SW	S	S	S	S	SW	SW
Wind movement	13	15	14	11	10	9	8	11	10	11	8	12

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
72	52	62	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase, Full 5:00 pm.

Average daily cloudiness (0-10), 2

Actual sunshine, hours, 8.9 Possible sunshine, hours, 11.1

Per cent of possible sunshine, 80

Prevailing wind direction, SW Total wind 216

Average hourly velocity, 9.0 Extreme velocity, 18

Maximum velocity, 17 Direction, SW

Time began, 1:44 pm

Reduced barometer, 30.16 7 a. m. 30.00 7, p. m.

River gage, 2.3 Fall T

Relative humidity, 76 7 a. m. 61 7 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

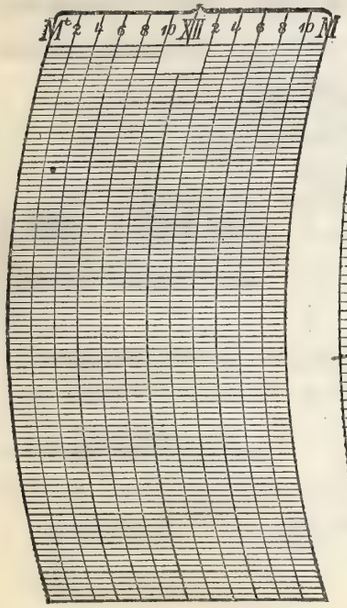
Dry temperature, 71.0 Wet temperature, 58.0

Dew-point, 49 R. humidity, 45 V. pressure, 34.7

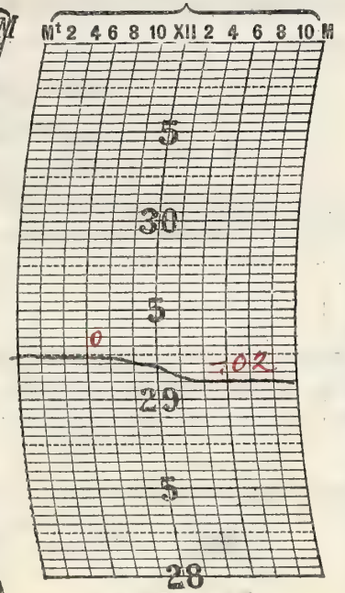
Clouds: Amount, 1; Kind, Cirr.; Direction, NW

Velocity of clouds (miles per hour)

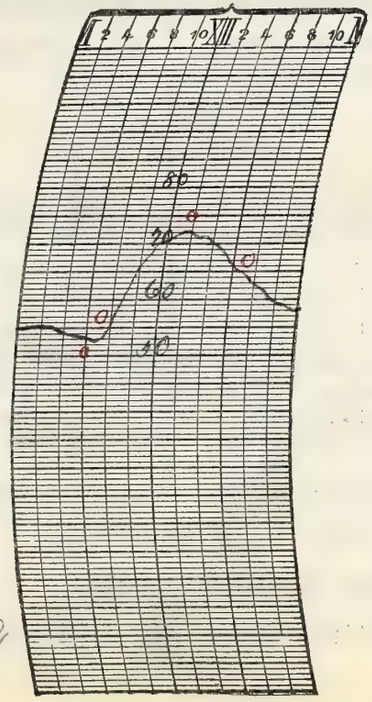
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A clear day with moderately high temperature

Prepared by C.E.S.

Verified by P. McDonough

8—489

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) [illegible], (Date) OCT 17 1921, 192

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	57	57	56	57	57	58	[illegible]	60	65	68	73	77
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Cloudy		→ PtCdy		→	Clear	
Sunshine (in tenths of hours)						0	0	0	0.5	1.0	1.0	1.0
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	9	11	10	12	12	13	13	15	15	16	17	20

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	78	79	78	77	73	69	68	66	65	65	64	63
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						Clear			→ PtCloudy			
Sunshine (in tenths of hours)	1.0	1.0	0.9	0.4 0.6	0.7 0							
Wind direction	SW	SW	SW	SW	SW	S	S	S	S	SW	SW	SW
Wind movement	19	18	17	15	12	9	10	11	12	12	10	7

Sunrise: Time, 5:55 Character, Cloudy
Moonrise: 5:32 p.

Sunset: Time, 4:58 Character, Clear
Moonset: 6:30 a

Maximum velocities (exceeding 29 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

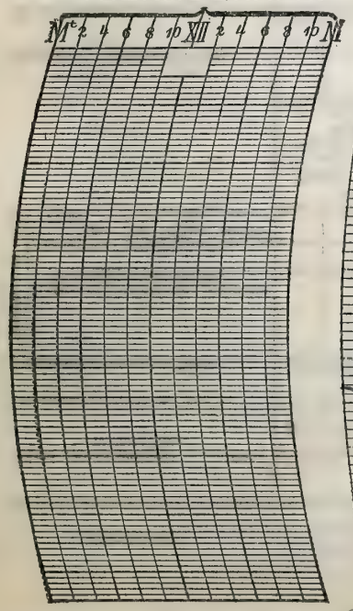
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
79	56	68	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 8.4 Possible sunshine, hours, 11.0
Per cent of possible sunshine, 76
Prevailing wind direction, SW Total wind 318
Average hourly velocity, 13.2 Extreme velocity, 25
Maximum velocity, 23 Direction, SW
Time began, 11:21 a.m.
Reduced barometer, 29.91 7 a. m. 29.83 7 p. m.
River gage, 2.2 Fall
Relative humidity, [illegible] 7 a. m. 77 7 p. m.

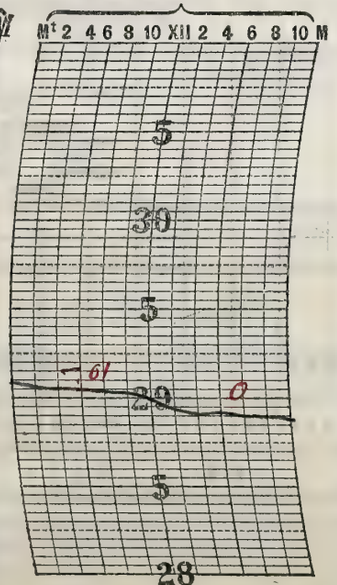
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 75.3 Wet temperature, 63.0
Dew-point, 56 R. humidity, 51 V. pressure, .448
Clouds: Amount, Few; Kind, Cu; Direction, NW
Velocity of clouds (miles per hour)

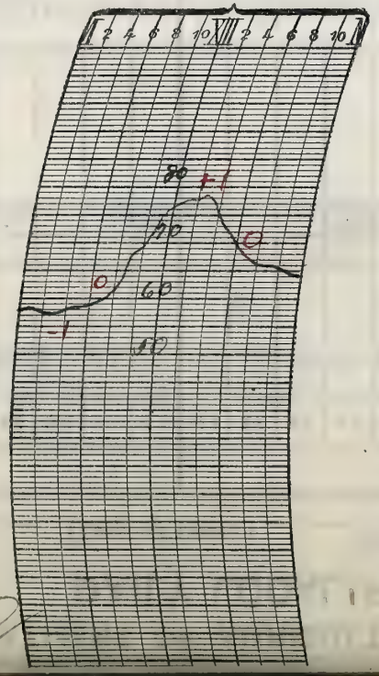
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A clear day with moderately high temperatures. The maximum of 78.7 degrees was the highest recorded so far this month.

Prepared by [illegible]

Verified by [illegible]

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Worth, Tex., (Day of week) Thursday, (Date) Oct. 15, 1931, 192

Time (local standard) 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	62	62	61	61	60	59	59	59	59	60	62	64
State of weather: Nature of precipitation and time of beginning and ending				RB DNA RE DNA								
Amounts of precipitation				.02								
Cloudiness and other conditions						← Pt. Cloudy						
Sunrise: Time, Character, 6:56 Cloudy												
Moonrise: 6:12 p												
Sunshine (in tenths of hours)						0	0	0.3	1.0	1.0	1.0	1.0
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	W	W	W	W
Wind movement	9	11	14	16	19	17	17	19	21	21	22	22
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	65	66	66	65	63	61	59	57	56	55	52	52
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					Cloudy → Pt. Cloudy → Clear →							
Sunset: Time, Character, 4:47 Clear												
Moonset: 2:41 a												
Sunshine (in tenths of hours)	0.8	0.5	1.0	0.3 0.7	0.3 0							
Wind direction	W	W	W	W	W	W	W	SW	SW	SW	SW	SW
Wind movement	21	22	21	18	11	7	7	7	9	9	10	9
Maximum velocities (exceeding 29 miles) direction and time												

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

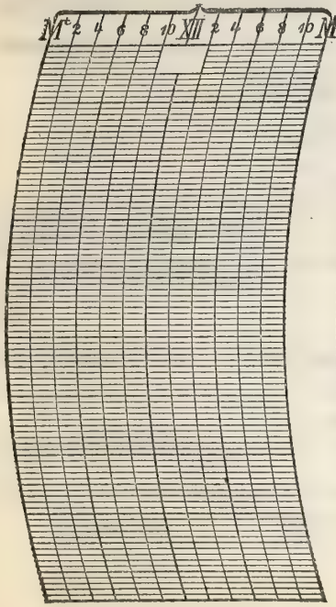
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
66	52	59	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .02 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, .02 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 4
Actual sunshine, hours, 8.5 Possible sunshine, hours, 11.0
Per cent of possible sunshine, 77
Prevailing wind direction, SW Total wind 185.9
Average hourly velocity, 15.0 Extreme velocity, 33
Maximum velocity, 29 Direction, W
Time began, 12:17 p.m.
Reduced barometer, 29.65 7 a. m. 29.85 7, p. m.
River gage, 2.2 Feet
Relative humidity, 84 7 a. m. 78 7 p. m.

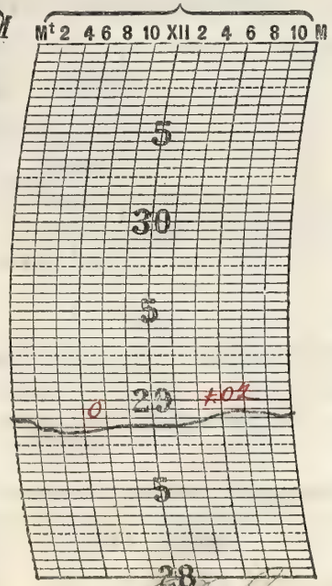
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 64.0 Wet temperature, 58.0
Dew-point, 54 R. humidity, 70 V. pressure, 41.7
Clouds: Amount, 5; Kind, Cu.; Direction, W.
Velocity of clouds (miles per hour)

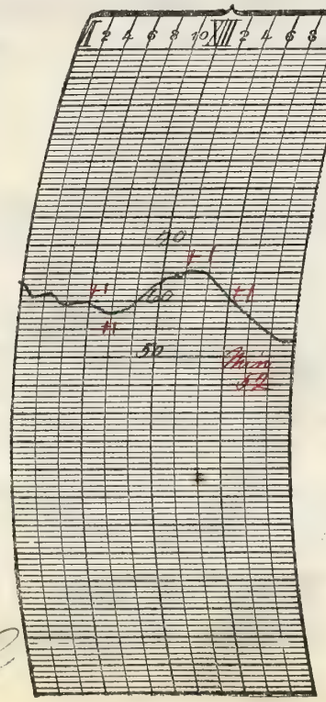
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A partly cloudy and uncomfortable warm day

Prepared by

Verified by P. McDonough

S—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible], Ind., (Day of week) Wednesday, (Date) Oct. 19, 1898, 192

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	52	51	51	51	52	53	53	53	52	51	52	54
Nature of precipitation and time of beginning and ending							RB 6:52				RE 10:20	
Amounts of precipitation							T	.02	.08	.10	T	
Cloudiness and other conditions							Cloudy					
Sunrise: Time, 5:57; Character, Cloudy												
Moonrise: 6:55 P												
Sunshine (in tenths of hours)						0	0	0	0	0	0	0
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	W	SW	SW	SW
Wind movement	9	11	10	9	12	7	10	11	15	15	15	15

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	58	59	58	50	49	48	47	46	46	46	46	46
Nature of precipitation and time of beginning and ending				RB 3:24	RE 4:15	RB 5:13	RE 6:10				RB 10:10	RE 11:00
Amounts of precipitation				.03	.01	T	T				T	.02
Cloudiness and other conditions	Pt. Cloudy					Cloudy						
Sunset: Time, 4:53; Character, Cloudy												
Moonset: 8:32 P												
Sunshine (in tenths of hours)	1.0	1.0	0.7	0.2	0							
Wind direction	SW	SW	SW	SW	SW	NW	W	W	W	W	W	W
Wind movement	19	12	18	4	7	9	8	12	11	9	10	7

State of weather.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
59	46	52	

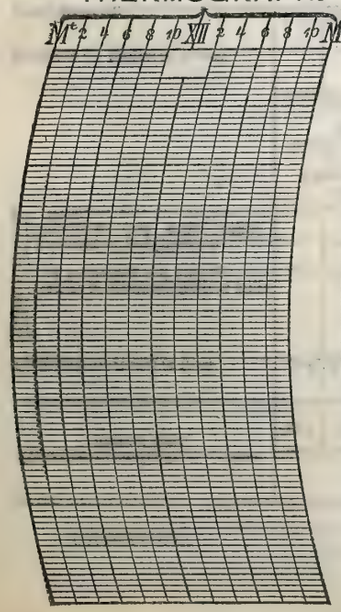
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .24 ins.
Total precipitation, midnight to midnight, .26 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 2.9 Possible sunshine, hours, 11.0
Per cent of possible sunshine, 26
Prevailing wind direction, SW Total wind 2.81
Average hourly velocity, 11.7 Extreme velocity, 46
Maximum velocity, 29 Direction, W
Time began, 3:22 p.m.
Reduced barometer, 29.70 7 a. m. 29.60 7 p. m.
River gage, 2.1 feet
Relative humidity, 76 7 a. m. 83 7 p. m.

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

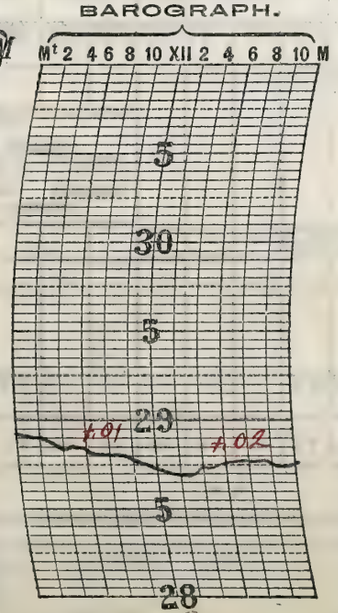
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 52.1 Wet temperature, 50.6
Dew-point, 49 R. humidity, 91 V. pressure, .347
Clouds: Amount, 9; Kind, Strat.; Direction, NW
Velocity of clouds (miles per hour)

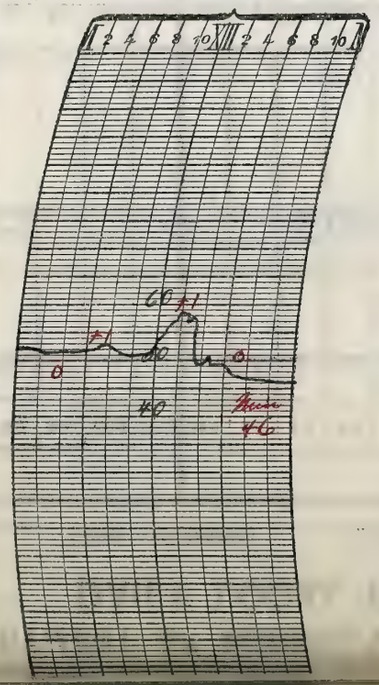
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A thunderstorm moving from the northwest began at 12:22 p.m., accompanied by light rain and ended at 4:05 p.m. No damage reported. A cloudy and moderately cool day.

Prepared by [illegible]

Verified by T. McDonough

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) OCT 20 1921, 192

Time (local standard). 90 mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	45	46	46	46	46	45	46	47	47	49	50	52
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Cloudy						
Sunshine (in tenths of hours)						0	0	0	0.2	0.3	0.2	0.6
Wind direction	W	NW	NW	NW	NW	NW	NW	NW	NW	N	N	N
Wind movement	5	11	12	13	13	12	12	16	17	15	15	14

Sunrise: Time, 5:58; Character, Cloudy. Moonrise: 9:45p.

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	52	53	54	54	51	49	48	46	44	44	44	43
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions		→ Pt. Cloudy & Clear →										
Sunshine (in tenths of hours)	0.2	0	0.5	0.8	0							
Wind direction	N	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	W
Wind movement	16	14	15	12	14	12	14	12	9	7	5	5

Sunset: Time, 4:53; Character, Cloudy. Moonset: 9:33a.

Maximum velocities (exceeding 35 miles) direction and time.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
54	43	48	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0.02 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 3.3 Possible sunshine, hours, 10.2
Per cent of possible sunshine, 30
Prevailing wind direction, NW Total wind 284
Average hourly velocity, 12.3 Extreme velocity, 21
Maximum velocity, 20 Direction, NW
Time began, 3:37 p. m.
Reduced barometer, 29.21 7 a. m. 29.26 7, p. m.
River gage, 2.1 Feet
Relative humidity, 86 7 a. m. 77 7 p. m.

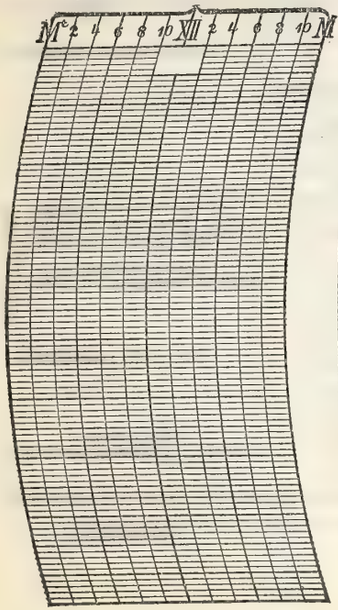
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

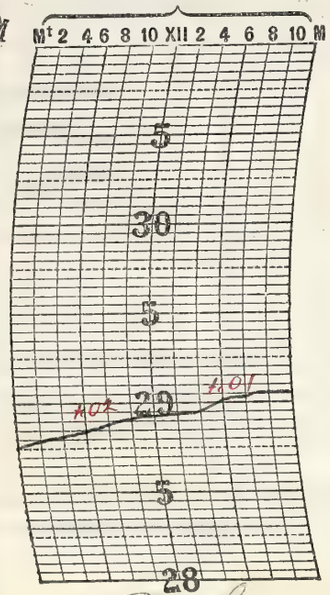
OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 51.0 Wet temperature, 46.5
Dew-point, 43 R. humidity, 77 V. pressure, 26.6
Clouds: Amount, 9; Kind, Cu; Direction, N.
Velocity of clouds (miles per hour)

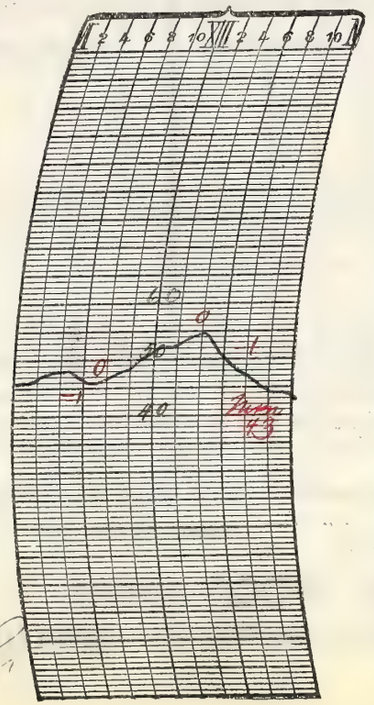
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A pleasantly pleasant day with moderate temperatures

Prepared by

Verified by P. H. Dunough

8—186

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) [illegible], (Date) [illegible], 192

Time (local standard). [illegible] mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	43	43	43	43	43	42	42	47	51	54	55	56	58	59	58	57	55	53	53	51	49	49	48	48
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							←		Clear			→	Clear											
Sunshine (in tenths of hours)						0	0.2 0	1.0 0	0.9	1.0	1.0	1.0	1.0	1.0	1.0	0.6 0.4	0.7 0							
Wind direction	W	W	W	W	W	W	W	W	W	W	W	W	W	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	6	6	5	5	5	6	6	8	8	11	13	12	14	14	15	[illegible]	11	9	10	[illegible]	9	11	12	15
Maximum velocities (exceeding [illegible] miles) direction and time																								

Sunrise: Time, 5:59 Character, Cloudy
Moonrise: 8:[illegible]

Sunset: Time, 4:58 Character, Clear
Moonset: 10:3[illegible]

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

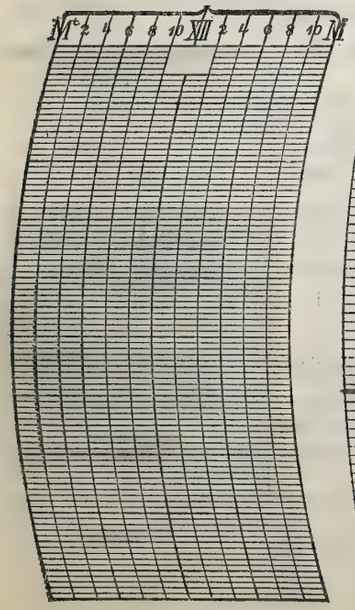
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
59	42	50	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 10.0 Possible sunshine, hours, 10.9
Per cent of possible sunshine, 92
Prevailing wind direction, W Total wind 257
Average hourly velocity, 9.0 Extreme velocity, 18
Maximum velocity, 18 Direction, SW
Time began, 1:02 p. m.
Reduced barometer, 30.05 7 a. m. 29.97 7 p. m.
River gage, 2.1 Feet
Relative humidity, 74 7 a. m. 67 7 p. m.

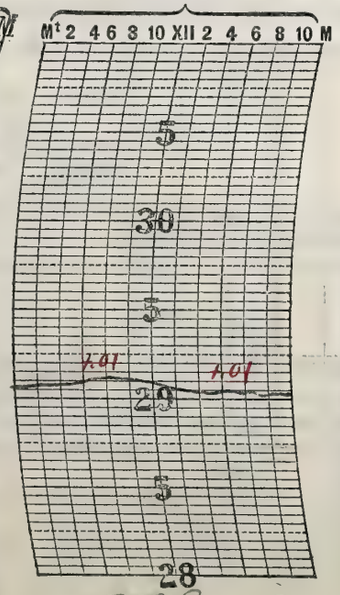
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 56.0 Wet temperature, 49.8
Dew-point, 45 R. humidity, 65 V. pressure, .298
Clouds: Amount, 4; Kind, Cu.; Direction, SW
Velocity of clouds (miles per hour)

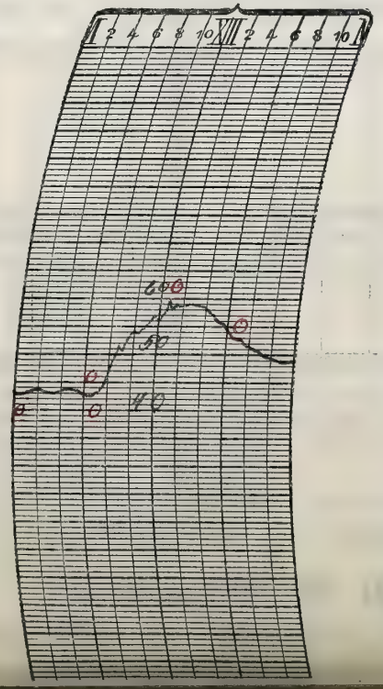
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A clear day with moderate temperatures.

Prepared by [illegible]
Verified by P. M. Donnigh

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

OCT 22 1921

(Station) Fort Wayne, Ind, (Day of week) Saturday, (Date) _____, 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	48	49	48	48	48	48	49	52	56	59	63	65
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							← Clear					
Sunshine (in tenths of hours)							1.00 / 0.0	0.8 / 0.2	1.0	1.0	1.0	1.0
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	SW	W
Wind movement	14	15	15	15	15	15	19	22	20	21	20	17

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	67	68	68	67	63	59	56	53	52	51	50	49
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					Clear							
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.4 / 0.6	.85 / 0							
Wind direction	W	W	W	W	W	NW	NW	N	N	N	N	NE
Wind movement	18	17	14	12	8	10	8	9	6	5	5	5

Sunrise: Time, 6:00 Character, Clear

Moonrise: 9:40 p

Sunset: Time, 4:57 Character, Clear

Moonset: 11:24 a

Maximum velocities (exceeding 29 miles) direction and time.

Excessive precipitation, accumulated amounts

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
68	48	58	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase, _____

Average daily cloudiness (0-10), 0

Actual sunshine, hours, 10.8 Possible sunshine, hours, 10.8

Per cent of possible sunshine, 100

Prevailing wind direction, SW Total wind 332.5

Average hourly velocity, 13.5 Extreme velocity, 29

Maximum velocity, 23.5 Direction, SW

Time began, 8:11 a m

Reduced barometer, 29.82 7 a. m. 30.06 7 p. m.

River gage, 3.0 Feet

Relative humidity, 70 7 a. m. 61 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

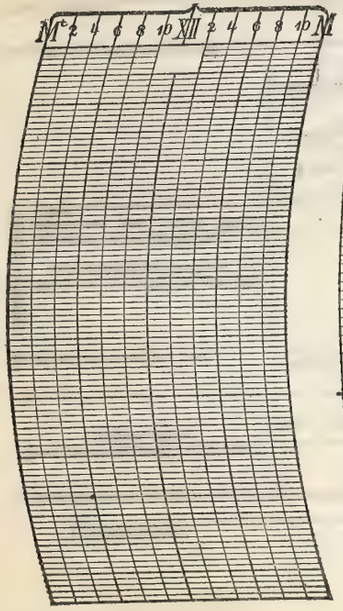
Dry temperature, 65.0 Wet temperature, 54.1

Dew-point, 45 R. humidity, 48 V. pressure, .298

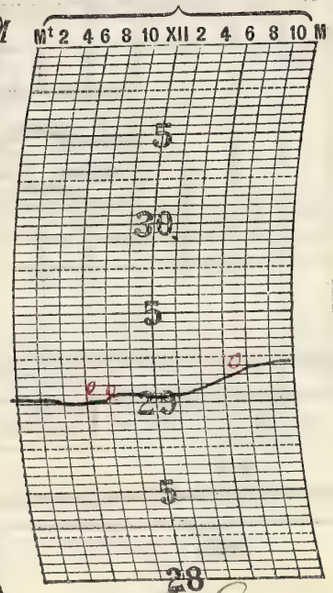
Clouds: Amount, 0; Kind, 0; Direction, 0

Velocity of clouds (miles per hour)

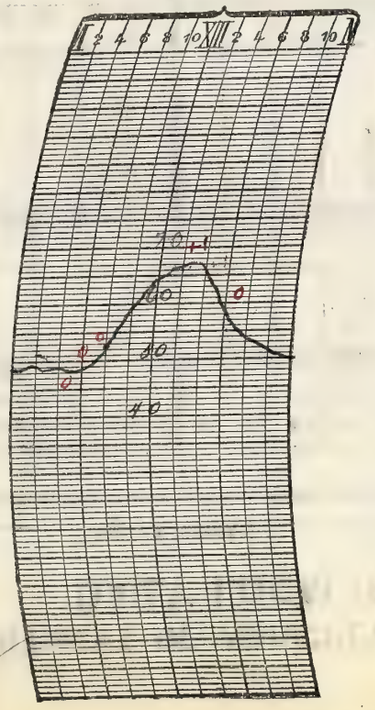
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A clear and very pleasant day

Prepared by C. E. S.

Verified by P. M. Donough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible], Ind., (Day of week) Wednesday, (Date) Oct. [illegible] 1921, 192

Time (local standard). 90th mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	48	46	46	44	43	43	43	46	48	51	56	59
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						←			Pt. Cloudy			
Sunrise: Time, Character,	6:02 Cloudy											
Moonrise:	10:46 p											
Sunshine (in tenths of hours)							0	0.2	0.4	0.7	1.0	1.3
Wind direction	N	NE	NE	NE	NE	E	E	E	E	E	E	SE
Wind movement	4	6	5	6	6	5	7	6	8	6	5	5
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	61	62	62	62	58	56	55	54	52	51	49	48
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions				Pt. Cloudy					→ Clear →			
Sunset: Time, Character,									4:49 Cloudy			
Moonset:									12:13 p			
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.6	0							
Wind direction	SE	E	E	SE	SE	SE	SE	E	E	E	E	E
Wind movement	5	5	7	6	5	6	7	8	7	7	6	6
Maximum velocities (exceeding 29 miles) direction and time												

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
62	42	52	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase, L. 9 10:22 pm
Average daily cloudiness (0–10), 5
Actual sunshine, hours, 6.7 Possible sunshine, hours, 10.8
Per cent of possible sunshine, 62
Prevailing wind direction, E Total wind 144
Average hourly velocity, 6.0 Extreme velocity, 10
Maximum velocity, 10 Direction, E
Time began, 8:33 a.m.
Reduced barometer, 30.26 7 a. m. 30.12 7 p. m.
River gage, 2.0 Foot
Relative humidity, 85 7 a. m. 66 7 p. m.

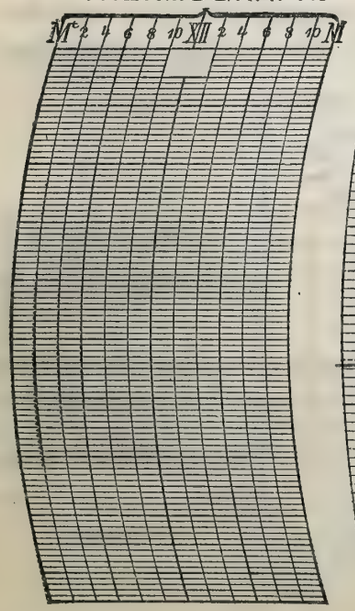
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

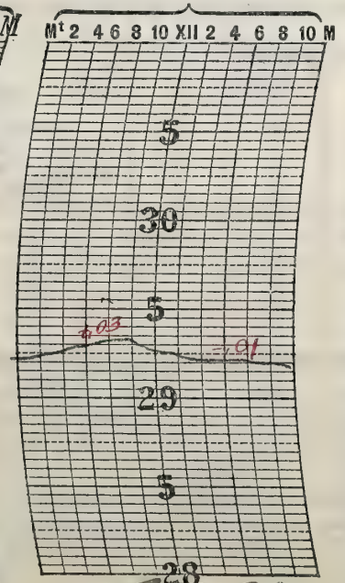
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 57.7 Wet temperature, 50.3
Dew-point, 44 R. humidity, 60 V. pressure, 28.7
Clouds: Amount, 5; Kind, Cirst; Direction, N.
Velocity of clouds (miles per hour)

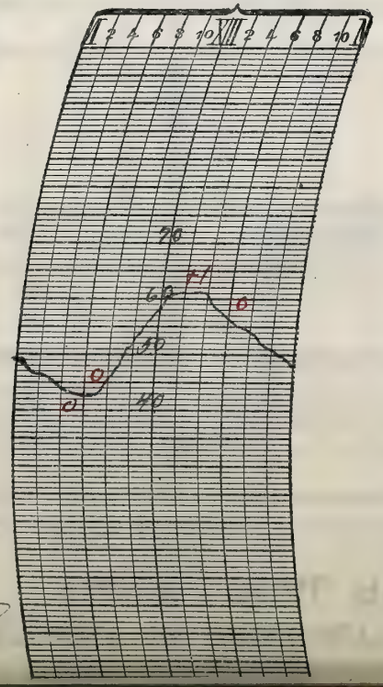
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Prepared by [illegible]
Verified by C. M. Donough

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) OCT 24 1921, 192

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	47	46	46	45	45	46	49	56	62	67	72	74
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							← Clear					
Sunshine (in tenths of hours)							0	0	0.9	1.0	1.0	1.0
Wind direction	E	E	E	E	E	E	S	S	SW	SW	SW	SW
Wind movement	4	5	3	4	2	3	8	11	13	12	14	15

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	75	77	77	75	70	67	66	63	62	61	60	59
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												→
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.3	0							
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	NW
Wind movement	16	16	15	10	7	7	9	9	9	9	7	4

Sunrise: Time, 6:03 Character, Clear
Moonrise: 11:53 p
Sunset: Time, 4:48 Character, Cloudy
Moonset: 12:32 p

Maximum velocities (exceeding 25 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

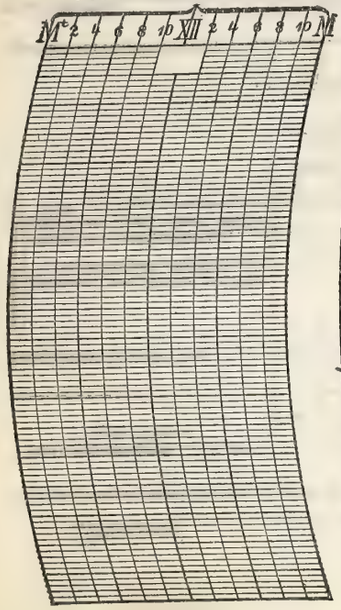
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
77	44	60	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 1
Actual sunshine, hours, 9.2 Possible sunshine, hours, 10.8
Per cent of possible sunshine, 67
Prevailing wind direction, SW Total wind 212
Average hourly velocity, 8.8 Extreme velocity, 19
Maximum velocity, 19 Direction, SW
Time began, 12:28 p.m.
Reduced barometer, 30.23 7 a. m. 29.90 7, p. m.
River gage, 2.0 Fall
Relative humidity, 81 7 a. m. 56 7 p. m.

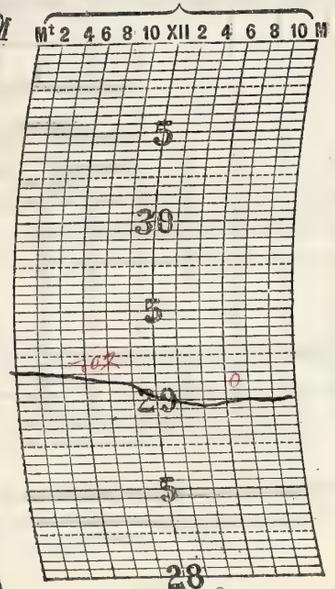
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 72.6 Wet temperature, 57.6
Dew-point, 46 R. humidity, 40 V. pressure, .310
Clouds: Amount, 2; Kind, Cu; Direction, W.
Velocity of clouds (miles per hour)

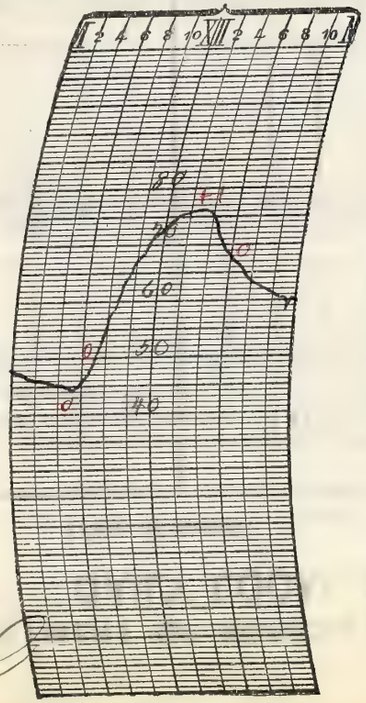
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A clear and warm day

Prepared by CBB

Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Tuesday, (Date) Oct. 1 1921, 192

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	54	52	51	49	48	48	49	50	51	51	52	52	54	56	55	53	50	49	48	47	47	46	46	46
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							←		Cloudy				Cloudy		→	Pt. Cloudy			Clear		→			
Sunshine (in tenths of hours)							0	0	0	0	0	0	0.2	0.4	0.2	0	0	0						
Wind direction	NE	NE	NE	NE	NE	NE	NE	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E
Wind movement	3	8	8	9	12	13	14	17	18	18	21	21	20	21	22	22	21	19	21	20	18	18	16	16
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 6:14 Character, Cloudy
Moonrise:
Sunset: Time, 4:46 Character, Cloudy
Moonset: 1:30 P.M.

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

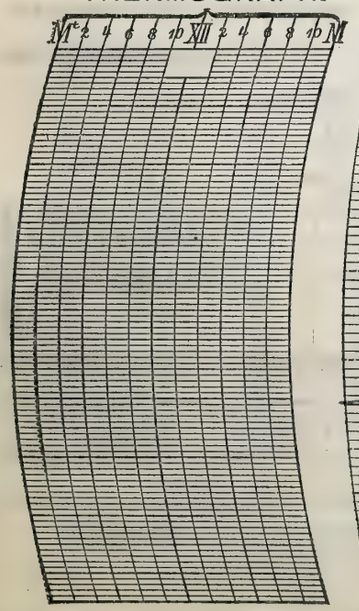
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
59	46	52	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 0.8 Possible sunshine, hours, 10.7
Per cent of possible sunshine, 8
Prevailing wind direction, E Total wind 396
Average hourly velocity, 16.5 Extreme velocity, 29
Maximum velocity, 27 Direction, E
Time began, 12:41 p.m.
Reduced barometer, 30.01 7 a. m. 30.08 7 p. m.
River gage, 2.0 Feet
Relative humidity, 77 7 a. m. 81 7 p. m.

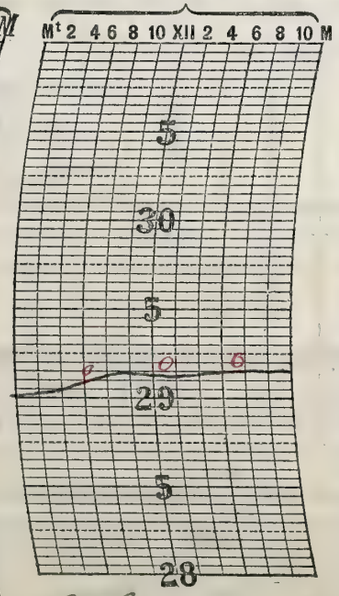
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 52.0 Wet temperature, 49.0
Dew-point, 46 R. humidity, 81 V. pressure, .310
Clouds: Amount, 10; Kind, St.Cu; Direction, E
Velocity of clouds (miles per hour)

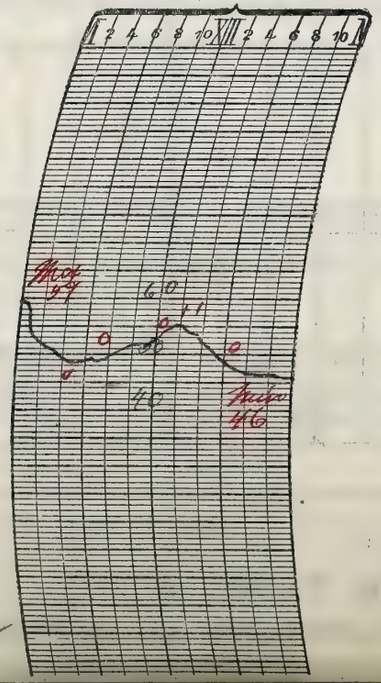
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Two p. m. (75th Meridian Time) special observation called for by the Central Office.
Lt. Fog B — 6:54 a.m.
Lt. Fog E — 10:15 a.m.

Prepared by C.O.S.
Verified by P. W. Donough

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) OCT 2, 1929, 192

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	44	43	42	41	40	40	40	42	46	50	56	60
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Clear	x	Pt Cloudy	x		
Sunshine (in tenths of hours)							.92 0	1.0 0	0.8 0.2	1.0	1.0	0.6
Wind direction	E	E	E	E	E	E	E	E	E	E	E	E
Wind movement	17	16	18	15	14	13	14	13	13	14	13	11

Sunrise: Time, 6:05 Character, Clear
Moonrise: 1:02 a

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	63	65	64	63	61	59	58	55	55	55	56	56
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Cloudy			x	Pt Cloudy			Clear				
Sunshine (in tenths of hours)	0.3	0.5	0.4	0	0							
Wind direction	E	SE	E	E	E	E	E	E	E	E	SE	SE
Wind movement	11	11	10	9	8	10	8	7	7	6	5	6

Sunset: Time, 4:45 Character, Cloudy
Moonset: 2:15 p

	Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
	65	40	52	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 5
Actual sunshine, hours, 6.2 Possible sunshine, hours, 10.7
Per cent of possible sunshine, 6.3
Prevailing wind direction, E Total wind 269
Average hourly velocity, 11.2 Extreme velocity, 20
Maximum velocity, 19 Direction, E
Time began, 2:12 a.m.
Reduced barometer, 30.01 7 a. m. 30.01 7 p. m.
River gage, 2.0 Foot
Relative humidity, 84 7 a. m. 70 7 p. m.

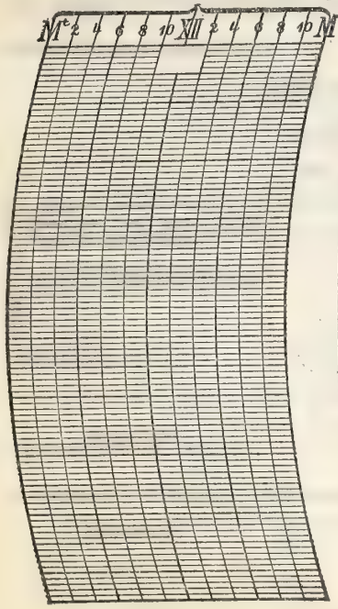
Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

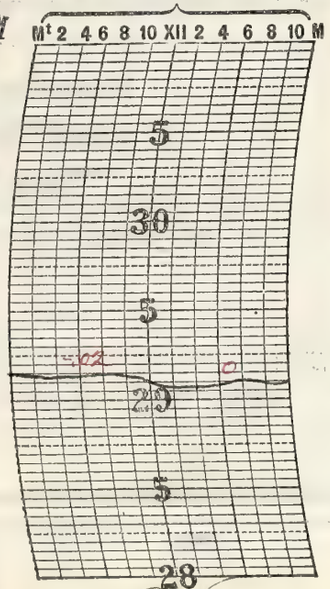
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 59.0 Wet temperature, 51.7
Dew-point, 45 R. humidity, 61 V. pressure, .298
Clouds: Amount, 8; Kind, Ci St; Direction, E
Velocity of clouds (miles per hour)

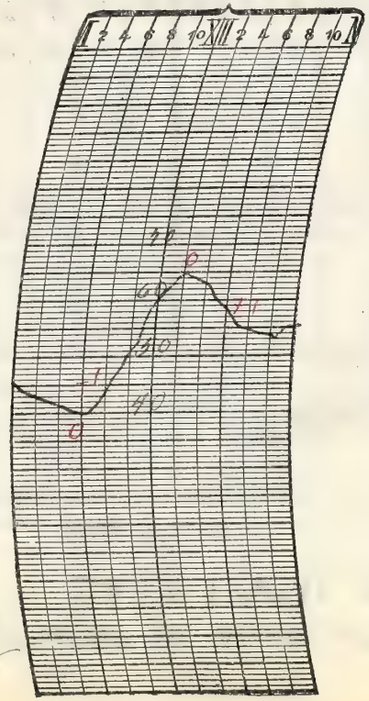
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A solar halo of 22 degrees radius was observed from 11:00 a.m. until 12:12 p.m.
A partly cloudy day with moderate temperatures and altogether a rather pleasant day.

Prepared by
Verified by P. M. Donough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) ....., (*Day of week*) ....., (*Date*) ....., 192

Time (local standard). 90° mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	55	53	52	52	51	51	52	52	54	56	58	61
State of weather: Nature of precipitation and time of beginning and ending		RB 1:47						RE 2:14				
Amounts of precipitation		.01	.10	.01	T	.01	.10	T				
Cloudiness and other conditions							← Cloudy					
Sunrise: Time, 6:06 Character, Cloudy												
Moonrise: 7:12a												
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	SE	S	SE	SE	SE	SE	SE	S	S	S	S	S
Wind movement	6	4	4	4	8	9	10	6	9	9	10	13

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	60	60	60	59	58	58	58	57	56	55	54	54
State of weather: Nature of precipitation and time of beginning and ending					RB 4:10 RE 4:50							
Amounts of precipitation					T							
Cloudiness and other conditions					← Cloudy							
Sunset: Time, 4:44 Character, Cloudy												
Moonset: 2:34a												
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	S	S	S	S	S	S	S	S	S	S	S	SW
Wind movement	16	15	13	10	12	10	10	9	11	12	12	11

Maximum velocities (exceeding 22 miles) direction and time.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
61	51	56	

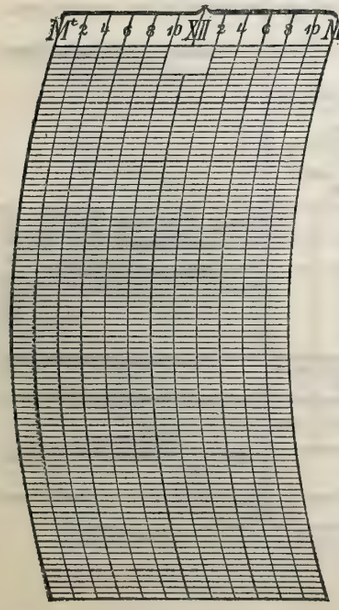
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .23 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .23 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 10.6
Per cent of possible sunshine, 0
Prevailing wind direction, S Total wind 233
Average hourly velocity, 9.7 Extreme velocity, 26
Maximum velocity, #34 Direction, S
Time began, 12:13 p.m.
Reduced barometer, 30.01 7 a. m. 30.01 7 p. m.
River gage, 2.0 Fall.
Relative humidity, 92 7 a. m. 89 7 p. m.

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

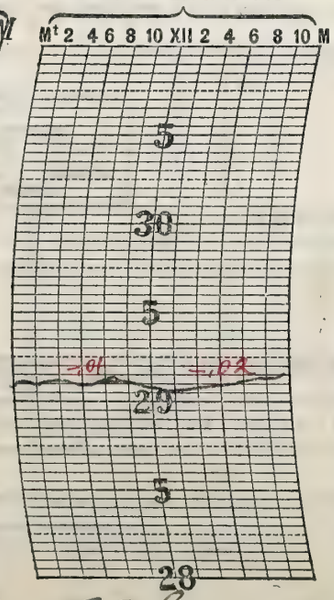
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 59.6 Wet temperature, 56.6
Dew-point, 55 R. humidity, 84 V. pressure, 432
Clouds: Amount, 10; Kind, St-Cu; Direction, SW.
Velocity of clouds (miles per hour)

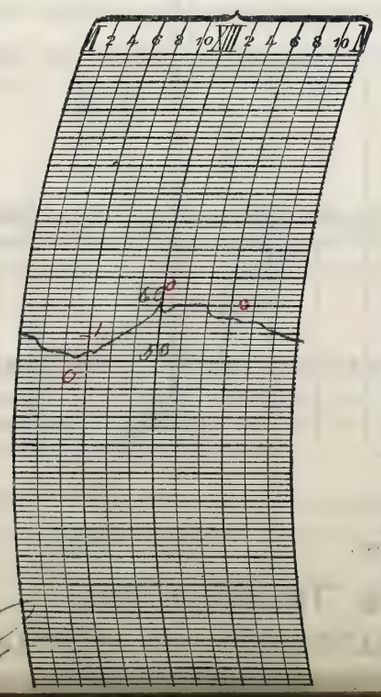
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Prepared by C.O.S.
Verified by P. McDonough

NOTES.

For 22 hours 40 minutes.

A thunderstorm of moderate intensity and accompanied by light rain began at 1:57 a.m., and at 4:00 a.m. it ended. The direction of the storm is unknown and no damage was reported.

A cloudy day with moderate temperature.

Values interpolated.

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) OCT 28 1921, 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	53	53	52	52	51	52	52	54	56	57	58	62
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							← Foggy →		Cloudy			→
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	7	9	9	8	5	7	7	5	7	8	10	7

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	64	67	67	66	64	61	59	58	57	57	57	57
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	→ Clear → Pt Cldy → Clear											
Sunshine (in tenths of hours)	10	10	10	0.5	0							
Wind direction	S	S	S	SE	SE	SE	SE	SE	SE	SE	SE	SE
Wind movement	7	6	7	6	5	6	8	8	6	6	6	6

Sunrise: Time, 6:07 Character, Foggy
Moonrise: 3:22a

Sunset: Time, 4:42 Character, Cloudy
Moonset: 3:27p

Maximum velocities (exceeding 29 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

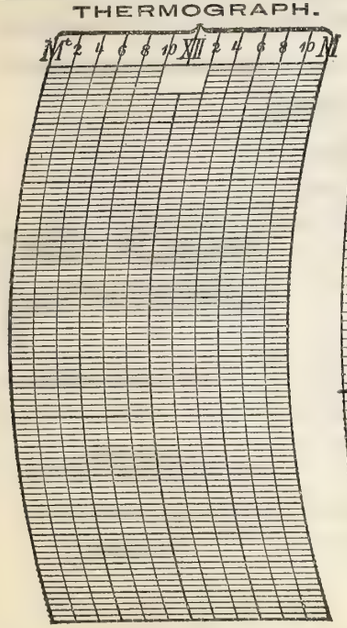
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
67	51	59	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 3.5 Possible sunshine, hours, 10.6
Per cent of possible sunshine, 33
Prevailing wind direction, SW. Total wind 166
Average hourly velocity, 6.9 Extreme velocity, 11
Maximum velocity, 11 Direction, SW.
Time began, 9:24 a.m.
Reduced barometer, 30.16 7 a. m. 30.11 7 p. m.
River gage, 2.05 ft.
Relative humidity, 98 7 a. m. 89 7 p. m.

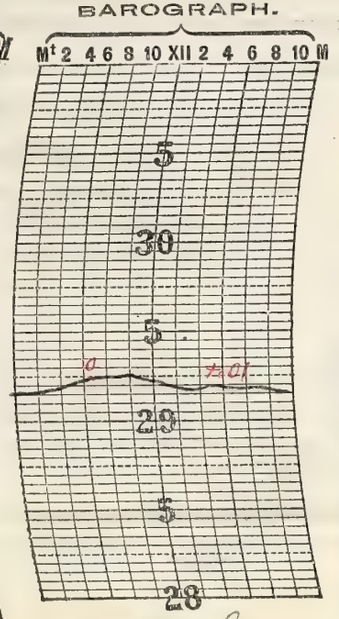
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 58.8 Wet temperature, 55.0
Dew-point, 52 R. humidity, 79 V. pressure, .387
Clouds: Amount, 8 5Cu; Kind, Pt. Fog; Direction, SW.
Velocity of clouds (miles per hour)

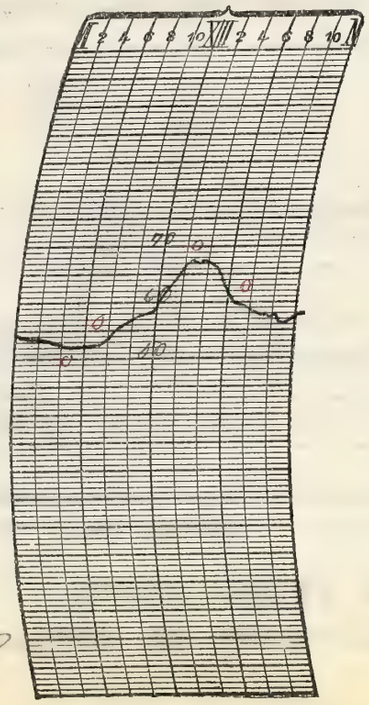
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Dense Fog began — 8:24 a.m.
Dense Fog ended — 8:20 a.m.
Light Fog began — 8:20 a.m.
Light Fog ended — 12:15 p.m.
A frosty cloudy day with moderate temperature

Prepared by
Verified by P. H. Conough

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Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) Saturday, (Date) OCT 29 1921, 192

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	56	56	56	55	54	54	55	60	59 RB 8:39	58	58	57
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation									T	.64	.13	.32
Cloudiness and other conditions							←		Cloudy			
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	SE	SE	SE	SE	SE	SE	E	SE	SE	SE	SE	SE
Wind movement	7	8	7	10	9	8	8	9	10	7	8	5

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	56	56	56	56	56	56	56	56	56 RB 8:18	56	56	56
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation	.21	.16	.11	.09	.08	.10	T	T	T			
Cloudiness and other conditions					Cloudy							→
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	SE	E	E	E	E	E	E	E	E	E	E	SE
Wind movement	4	5	5	4	7	14	17	11	11	9	9	6

Sunrise: Time, 6:09 Character, Cloudy

Moonrise: 4:31a

Sunset: Time, 4:44 Character, Cloudy

Moonset: 4:03P

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
60	54	57	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 1.24 ins.

Total precipitation, midnight to midnight 1.24 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10), 10

Actual sunshine, hours, 0 Possible sunshine, hours, 10.5

Per cent of possible sunshine, 0

Prevailing wind direction, SE Total wind 198

Average hourly velocity, 8.2 Extreme velocity, 30

Maximum velocity, 27 Direction, SE

Time began, 6:09 p.m.

Reduced barometer, 29.97 7 a. m. 29.97 7 p. m.

River gage, 2.1 Feet.

Relative humidity, 81 7 a. m. 94 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

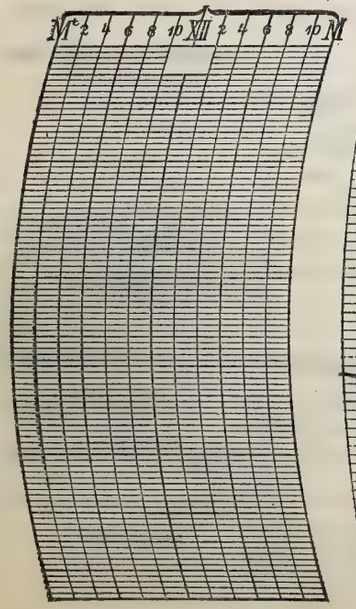
Dry temperature, 56.2 Wet temperature, 55.2

Dew-point, 54 R. humidity, 94 V. pressure, .419

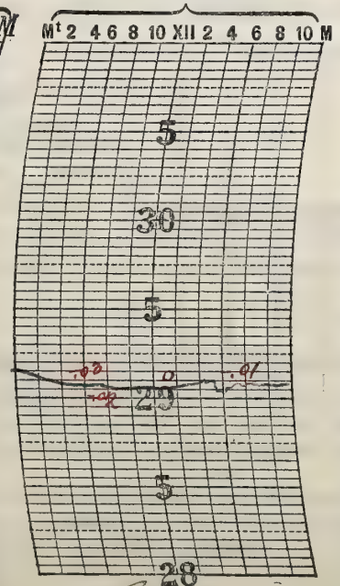
Clouds: Amount, 10; Kind, Nb; Direction, SE

Velocity of clouds (miles per hour)

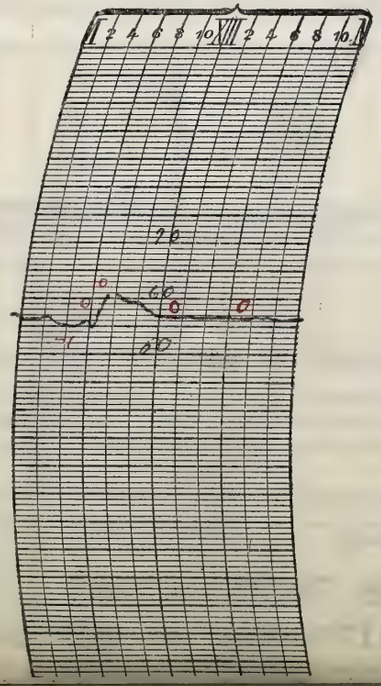
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Special 2:00 p.m. (75th Anniversary Time) observation called for by the Central Office.

A cloudy, dreary, and rainy day with moderate temperatures.

Prepared by [illegible]

Verified by P. McDonough

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) Oct 30 1921, 192

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	56	56	56	56	56	55	55	55	55	56	56	58
State of weather: Nature of precipitation and time of beginning and ending			RB DNA			RE DNA		RB 7:10		RE 8:19	RB 10:21 RE 10:47	
Amounts of precipitation			.01	.01	T	T		T	T	.01	T	
Cloudiness and other conditions							← Cloudy					

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	59	59	60	60	60	57	56	54	54	53	53	52
State of weather: Nature of precipitation and time of beginning and ending				RB 3:40		RE 5:43						
Amounts of precipitation				.04	.03	T						
Cloudiness and other conditions											* Foggy	

Sunrise: Time, 6:10 Character, Cloudy
Moonrise: 5:39 a

Sunset: Time, 4:40 Character, Cloudy
Moonset: 4:41 p

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)							0	0	0	0	0.2	0.1
Wind direction	SE	SE	SE	SE	E	E	E	E	SE	SE	SE	SE
Wind movement	8	8	5	6	10	7	5	7	8	8	14	12

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	E	E	NE	E	NE	E	E	E	E	E	E	E
Wind movement	11	9	10	8	8	9	7	8	5	6	3	2

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

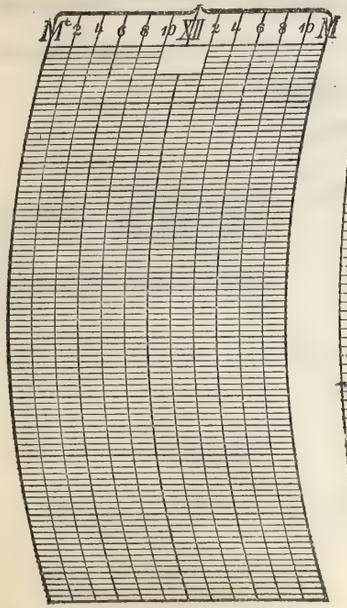
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
60	52	56	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .02 ins.; to 7 p. m., .08 ins.
Total precipitation, midnight to midnight, .10 inches.
Character of day, Cloudy Moon phase New 5:39 p
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0.3 Possible sunshine, hours, 10.5
Per cent of possible sunshine, 3
Prevailing wind direction, E Total wind 184
Average hourly velocity, 7.7 Extreme velocity, 17
Maximum velocity, * 16 Direction, NE
Time began, 11:08 a. m.
Reduced barometer, 30.00 7 a. m. 29.93 7 p. m.
River gage, 3.8 Feet.
Relative humidity, 88 7 a. m. 97 7 p. m.

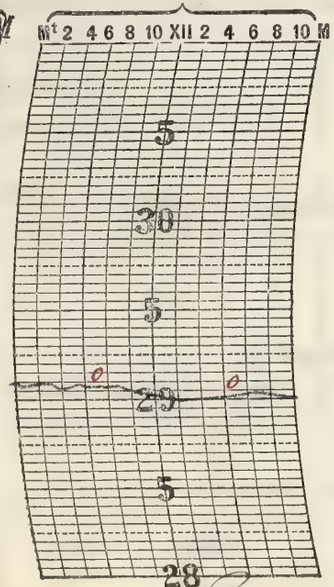
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 58.0 Wet temperature, 56.0
Dew-point, 55 R. humidity, 89 V. pressure, .432
Clouds: Amount, 10; Kind, St; Direction, E
Velocity of clouds (miles per hour)

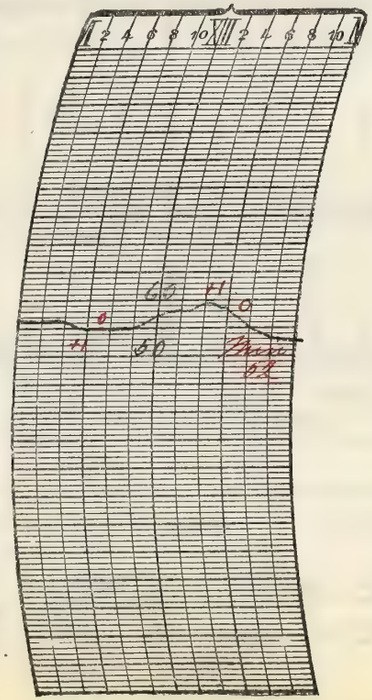
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Prepared by

Verified by P. McDonough

8—186

NOTES.

Interpolated.
* MAX. For 22 Hrs. & 45 Min.

Dense Fog began at 10:30 p. m.
Dense Fog ended at sea Oct 31st
A cloudy and gloomy day
with intermittent showers and
moderate temperature.

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) OCT 30 1921, 192

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	52	52	51	51	51	51	52	52	52	54	55	57
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							← Foggy		×	Cloudy		
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	NW	NW	NE	NE	NE	N	N	N	NE	N	N	NE
Wind movement	9	4	4	3	4	5	5	5	5	5	3	3

Sunrise: Time, 6:11 Character, Foggy
Moonrise: 6:46a

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	57	56	56	55	56	56	57	57	57	57	58	56
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						Cloudy						
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	N	N	N	N	N	N	N	N	NE	NE	NE	NE
Wind movement	5	6	8	8	9	6	10	11	13	14	19	22

Sunset: Time, 4:38 Character, Cloudy
Moonset: 5:24p

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

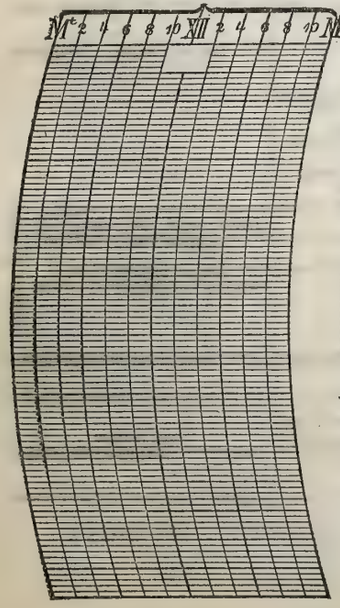
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
58	51	54	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 10.4
Per cent of possible sunshine, 0
Prevailing wind direction, N Total wind 180
Average hourly velocity, 2.5 Extreme velocity, 30
Maximum velocity, 27 Direction, NE
Time began, 11:26 p.m.
Reduced barometer, 29.91 7 a. m. 29.83 7 p. m.
River gage, 4.6 Feet
Relative humidity, 100 7 a. m. 95 7 p. m.

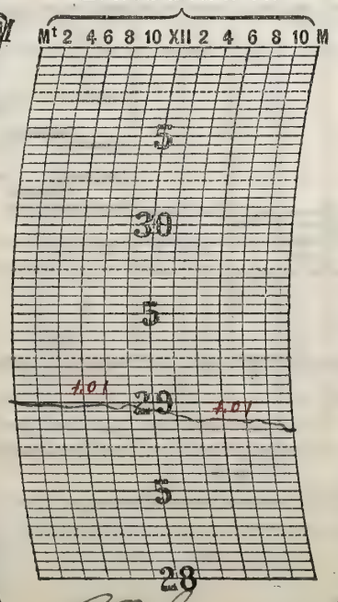
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 58.3 Wet temperature, 56.0
Dew-point, 55 R. humidity, 87 V. pressure, .432
Clouds: Amount, 10; Kind, St; Direction, N
Velocity of clouds (miles per hour)

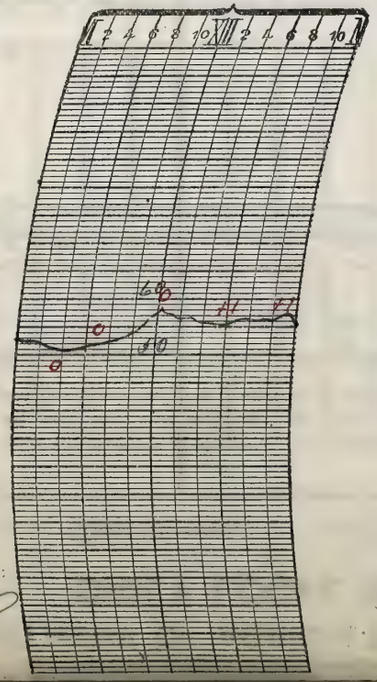
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Dense Fog began:- Oct 30th
Dense Fog ended:- 8:27 am.
Light Fog began:- 8:27 am.
Light Fog ended:- 11:19 am.
A Sandy and dreary day.

Prepared by CDS
Verified by C. M. McDonough

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne Ind, (Day of week) _____, (Date) _____, 192

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	54	53	51	49	49	48	48	46	46	48	50	50
State of weather: Nature of precipitation and time of beginning and ending				RBE DNA								
Amounts of precipitation				.01								
Cloudiness and other conditions							← Cloudy					
Sunshine (in tenths of hours)							0	0	0	0	0.3	1.0
Wind direction	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
Wind movement	24	24	24	23	24	24	24	23	23	23	27	26
Maximum velocities (exceeding 29 miles) direction and time											32 NE 10:05	

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	49	49	48	47	45	44	43	41	40	39	37	36
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												
Sunshine (in tenths of hours)	1.0	1.0	0.8	0.8	.62 0							
Wind direction	N	NE	N	N	N	N	N	NE	NE	N	N	N
Wind movement	23	23	20	22	17	12	15	15	17	12	10	9
Maximum velocities (exceeding 29 miles) direction and time												

Sunrise: Time, 6:12 Character, Cloudy
Moonrise: 7:49a
Sunset: Time, 4:37 Character, Clear
Moonset: 6:07p

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

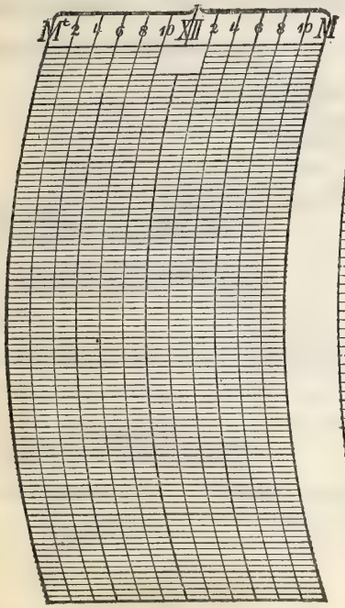
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
56	36	46	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .01 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, .01 inches.
Character of day, Pt. Cloudy Moon phase, _____
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 5.5 Possible sunshine, hours, 10.4
Per cent of possible sunshine, 53
Prevailing wind direction, NE Total wind 484
Average hourly velocity, 20.2 Extreme velocity, 42
Maximum velocity, 32 Direction, NE
Time began, 10:05 a.m.
Reduced barometer, 29.80 7 a. m. 29.00 7 p. m.
River gage, 4.8 Feet.
Relative humidity, 89 7 a. m. 71 7 p. m.

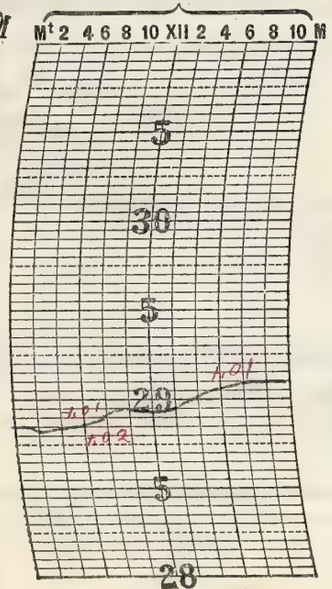
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 51.3 Wet temperature, 46.0
Dew-point, 41 R. humidity, 67 V. pressure, .256
Clouds: Amount, 8; Kind, Ci St; Direction, NW.
Velocity of clouds (miles per hour) _____

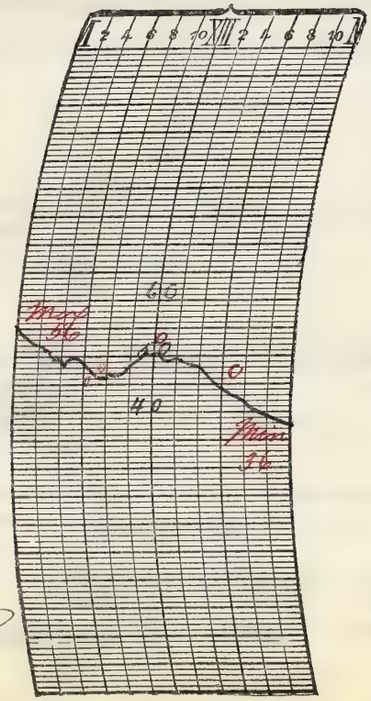
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A partly cloudy day with moderate northerly winds and moderate temperatures.
Portion of 22° solar halo began about 11:30 a.m. and ended at 12:10 p.m.

Prepared by _____
Verified by C. M. Donough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wednesday, (Date) No. [illegible], 192

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	36	35	35	35	32	31	32	36	40	40	43	45	46	47	48	47	46	46	46	43	42	41	38	37
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							←		Clear				Clear			×		Pt. Cloudy					→	
Sunrise: Time, Character, 6:13 Clear																					Sunset: Time, Character, 4:36 Cloudy			
Moonrise: 8:48a																					Moonset: 6:03P			
Sunshine (in tenths of hours)							.78 0	0.3 0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.3	0							
Wind direction	N	N	N	N	N	N	N	N	NE	NE	NE	NE	N	N	N	N	N	N	N	N	W	NW	W	W
Wind movement	10	8	9	7	8	7	8	8	11	13	11	9	7	7	7	5	4	2	1	2	5	4	4	3
Maximum velocities (exceeding 29 miles) direction and time																								

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
48	31	40	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase,
Average daily cloudiness (0-10), 2
Actual sunshine, hours, 9.1 Possible sunshine, hours, 10.4
Per cent of possible sunshine, 88
Prevailing wind direction, N Total wind 142
Average hourly velocity, 6.8 Extreme velocity, 16
Maximum velocity, 14 Direction, NE
Time began, 8:32 a.m.
Reduced barometer, 30.09 7 a. m. 30.02 7 p. m.
River gage, 5.1 Feet
Relative humidity, 88 7 a. m. 75 7 p. m.

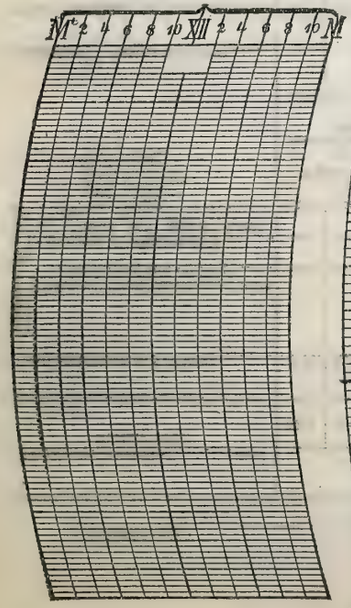
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

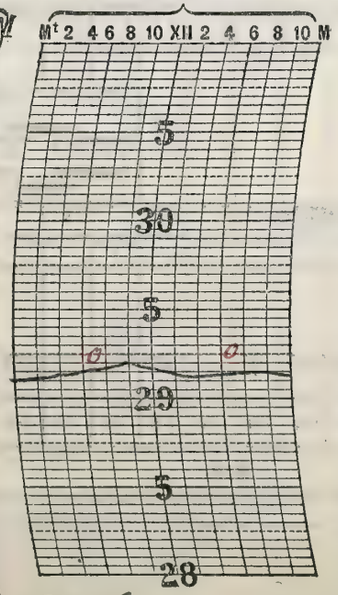
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 43.5 Wet temperature, 39.3
Dew-point, 34 R. humidity, 69 V. pressure, .195
Clouds: Amount, 1; Kind, Ast.; Direction, N.
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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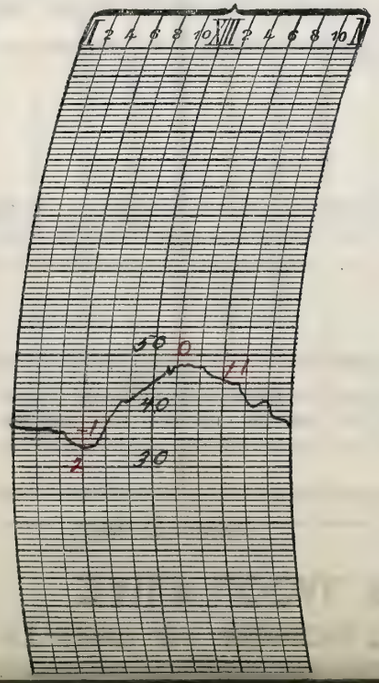


NOTES.

A clear and cold day, the minimum temperature this morning being the lowest recorded to date this season.

Prepared by C.O.S.
Verified by P. McDonough

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) _____, (Date) _____, 192

Time (local standard). 90th mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	36	35	33	33	32	33	33	36	38	44	45	48
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							←		Cloudy			
Sunshine (in tenths of hours)							0	0	0	0.4	0	0.2
Wind direction	W	W	SW	SW	SW	SW	SW	SW	SW	SW	W	W
Wind movement	4	4	5	8	8	9	9	10	13	12	13	13

Sunrise: Time, 6:15 Character, Cloudy
Moonrise: 9:43a

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	47	47	47	46	44	43	42	40	40	38	37	37
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					× Pt. Cldy	×		Clear			→	
Sunshine (in tenths of hours)	0.2	0	0.2	0.4	0							
Wind direction	NW	NW	NW	NW	NW	NW	NW	NW	W	W	W	SW
Wind movement	16	15	14	15	13	9	8	6	5	5	7	9

Sunset: Time, 4:35 Character, Cloudy
Moonset: 2:42p

Maximum velocities (exceeding 29 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

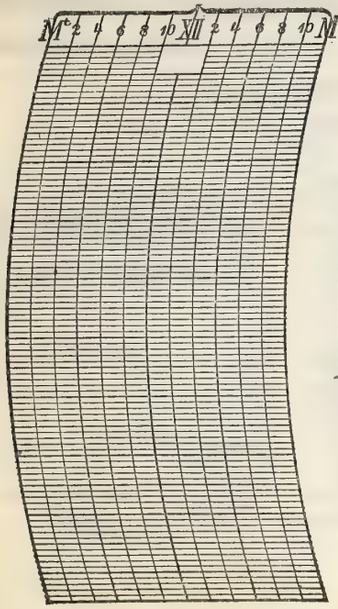
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
48	32	40	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase, _____
Average daily cloudiness (0–10), 8
Actual sunshine, hours, 1.4 Possible sunshine, hours, 10.3
Per cent of possible sunshine, 14
Prevailing wind direction, SW Total wind 230
Average hourly velocity, 9.6 Extreme velocity, 20
Maximum velocity, 20 Direction, NW
Time began, 12:59 p.m.
Reduced barometer, 30.027 a. m. 30.12 7 p. m.
River gage, 3.5 Feet
Relative humidity, 80 7 a. m. 80 7 p. m.

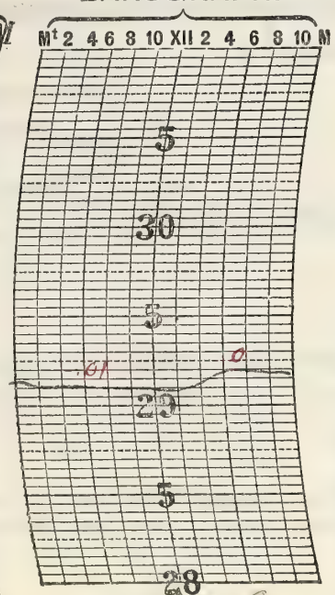
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 46.2 Wet temperature, 43.2
Dew-point, 40 R. humidity, 77 V. pressure, .247
Clouds: Amount, 6 2; Kind, Scu Scu; Direction, NW NW
Velocity of clouds (miles per hour)

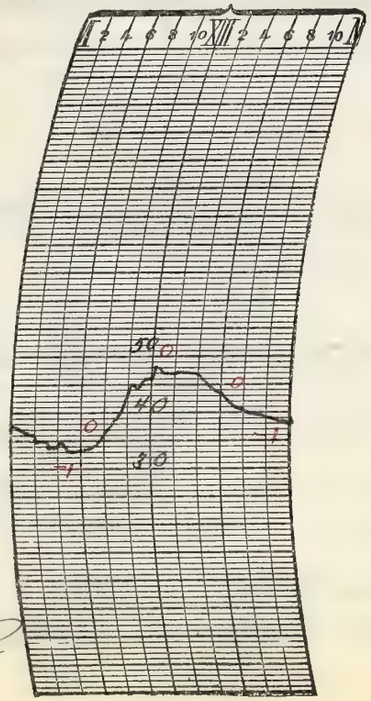
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A cloudy and cool day which opened cloudy and dreary but during the afternoon the clouds broke and by nightfall the weather had cleared

Prepared by C.E.A.S.
Verified by J. M. Dorrough

8—483

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Friday, (Date) [illegible], 192

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	38	38	38	39	40	41	42	45	51	54	56	57	58	59	58	55	52	50	49	45	44	43	42	40
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							← Pt. Cloudy					→	Clear										→	
Sunshine (in tenths of hours)							0	0	0.8	1.0	1.0	1.0	1.0	1.0	1.0	0.4	0							
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	W	NW	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	9	11	10	14	15	16	14	23	25	26	31	28	24	24	23	20	15	14	10	16	8	8	7	9
Maximum velocities (exceeding 29 miles) direction and time									31 SW 8:40	32 SW 9:50	38 SW 10:38	31 SW 11:29	30 W 12:04											

Sunrise: Time, 6:16 Character, Cloudy

Moonrise: 10:30a

Sunset: Time, 4:34 Character, Cloudy

Moonset: 8:40p.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
60	37	48	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt. Cloudy Moon phase,

Average daily cloudiness (0-10), 4

Actual sunshine, hours, 7.2 Possible sunshine, hours, 10.3

Per cent of possible sunshine, 70

Prevailing wind direction, SW Total wind 400

Average hourly velocity, 16.7 Extreme velocity, 44

Maximum velocity, 38 Direction, SW

Time began, 10:38 am.

Reduced barometer, 29.94 7 a. m. 29.96 7 p. m.

River gage, 4.6 Feet.

Relative humidity, 90 7 a. m. 72 7 p. m.

OBSERVATIONS AT 12 NOON. (Local Mean Time.)

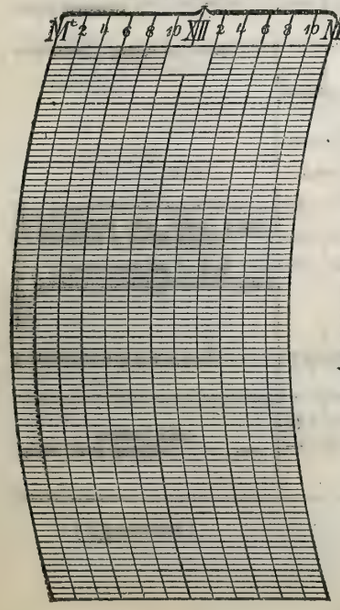
Dry temperature, 57.0 Wet temperature, 49.3

Dew-point, 43 R. humidity, 58 V. pressure, .277

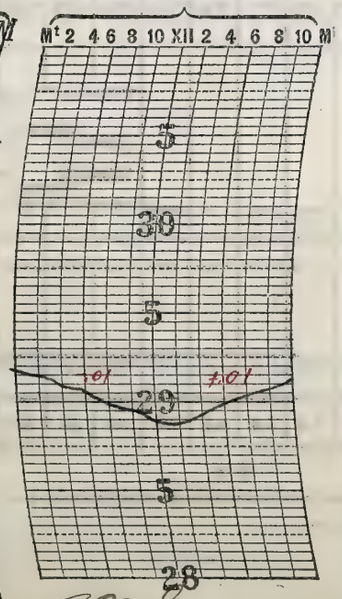
Clouds: Amount, 2; Kind, C. St.; Direction, NW

Velocity of clouds (miles per hour)

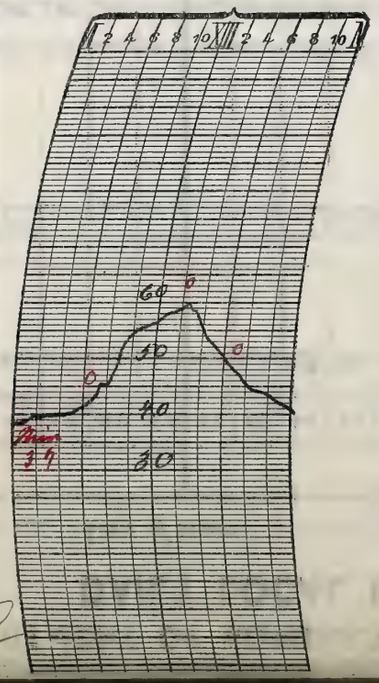
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The day opened partly cloudy and cold with an increasing southwesterly wind and temperatures rose rather rapidly during the late morning hours. The sky cleared off during the afternoon becoming cloudy in the early evening; the day as a whole was partly cloudy and the warmest day of the month to date.

Prepared by E. M. S.

Verified by P. McDonough

Form No. 1012—Sept. 1.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) ....., (Date) ....., 192

Time (local standard). 90 mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	37	36	37	36	36	36	36	38	38	40	41	42
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							← Pt. Cldy			Cloudy		
Sunshine (in tenths of hours)							0	0	0	0	0	0.2
Wind direction	N	N	N	NW	NW	NW	NW	NW	NW	NW	N	N
Wind movement	12	9	4	4	5	4	5	5	4	5	5	8

Sunrise: Time, 6:17 Character, Cloudy. Moonrise: 11:32 a

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	43	44	44	44	43	42	42	40	39	38	37	37
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					Pt. Cloudy							
Sunshine (in tenths of hours)	0.2	1.0	0.2	0.3	0							
Wind direction	NW	N	N	NW	N	N	NE	E	SE	SE	SE	S
Wind movement	6	8	6	6	3	3	2	3	4	6	7	5

Sunset: Time, 4:32 Character, Cloudy. Moonset: 9:35 P

Maximum velocities (exceeding 29 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

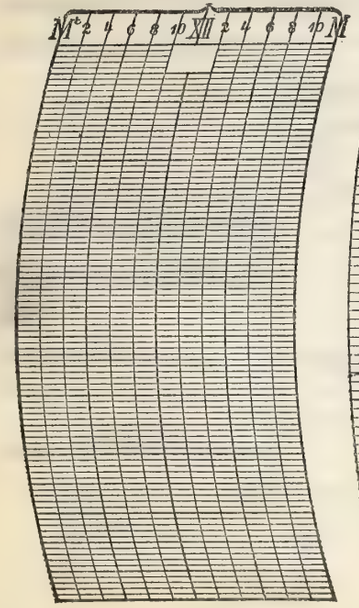
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
45	36	40	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt. Cloudy Moon phase, ...
Average daily cloudiness (0–10), 7
Actual sunshine, hours, 1.9 Possible sunshine, hours, 10.2
Per cent of possible sunshine, 19
Prevailing wind direction, N.N.W. Total wind 129
Average hourly velocity, 5.4 Extreme velocity, 17
Maximum velocity, 16 Direction, N
Time began, 12:30 a.m.
Reduced barometer, 30.12 7 a. m. 30.24 7 p. m.
River gage, 4.2 Feet
Relative humidity, 79 7 a. m. 66 7 p. m.

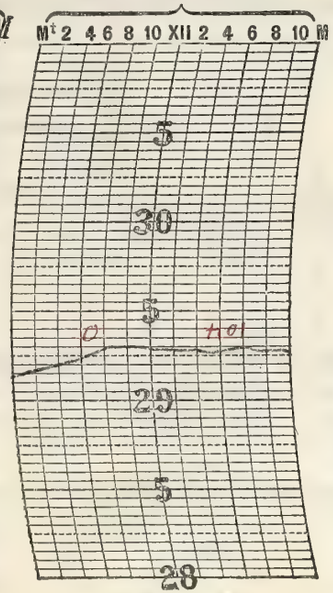
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 42.0 Wet temperature, 36.9
Dew-point, 30 R. humidity, 61 V. pressure, 16.4
Clouds: Amount, 9; Kind, St Cu.; Direction, N.W.
Velocity of clouds (miles per hour)

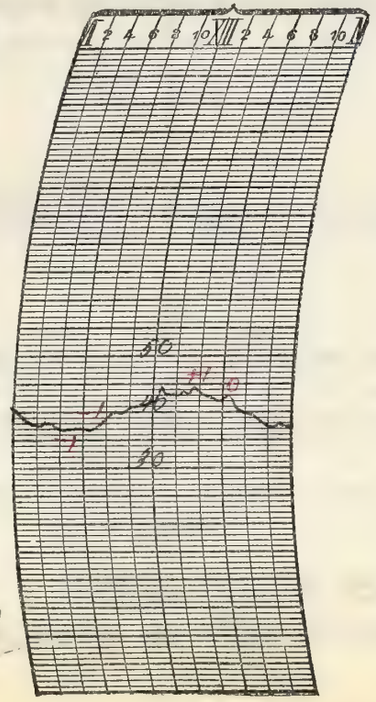
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A partly cloudy and rather cool day.

Prepared by C.E.S.

Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) _____, (Date) _____, 192

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	36	35	35	35	35	36	36	37	39	41	43	48	50	52	52	55	53	47	46	40	40	39	39	38
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							← Cloudy						Cloudy			→ Pt. Cloudy			→ Clear					→
Sunrise: Time, Character,	6:18 Cloudy																							
Moonrise:	11:51a																							
Sunset: Time, Character,																					4:31 Cloudy			
Moonset:																					10:30P			
Sunshine (in tenths of hours)							0	0	0	0	0	0	0	0	0	0	0							
Wind direction	SE	SE	SE	S	S	S	S	SE	SE	SE	SE	SE	SE	SE	E	SE	SE	SE	N	N	NW	W	W	NW
Wind movement	5	5	7	6	8	7	5	6	8	6	8	6	5	6	4	4	2	3	4	5	4	6	7	8
Maximum velocities (exceeding 29 miles) direction and time																								

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
55	35	45	

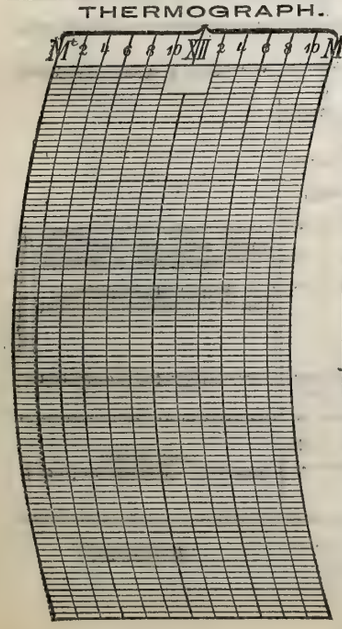
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy. Moon phase, _____
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 0 Possible sunshine, hours, 10.2
Per cent of possible sunshine, 0
Prevailing wind direction, SE Total wind 135
Average hourly velocity, 5.6 Extreme velocity, 11
Maximum velocity, 11 Direction, SE
Time began, 10:22 a.m.
Reduced barometer, 30.14 7 a. m. 29.93 7 p. m.
River gage, 3.8 Feet.
Relative humidity, 82 7 a. m. 79 7 p. m.

	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

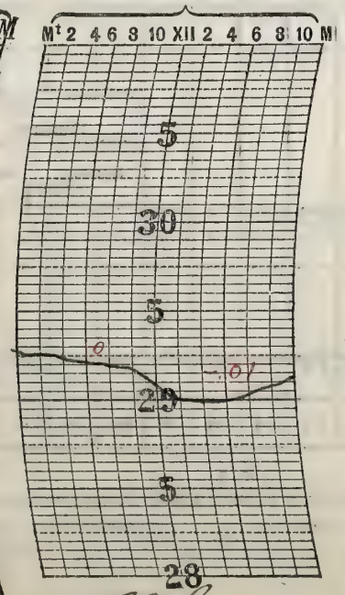
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 45.5 Wet temperature, 43.0
Dew-point, 40 R. humidity, 82 V. pressure, .247
Clouds: Amount, 10; Kind, Strat.; Direction, S.E.
Velocity of clouds (miles per hour)

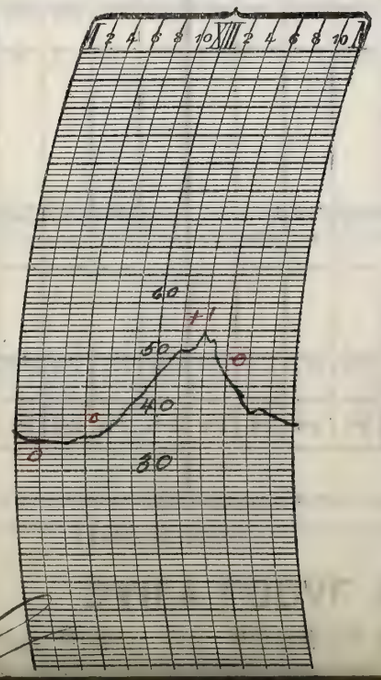
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A cloudy, cold and dreary day.

Prepared by C. M. A. [illegible]

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne Ind., (Day of week) ....., (Date) ....., 192

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	36	35	34	33	32	32	32	34	39	40	42	44
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions						← Foggy			×	Cloudy		
Sunshine (in tenths of hours)							0	0	0	0.1	0	0
Wind direction	NW	NW	NW	NW	N	N	N	N	N	N	N	N
Wind movement	5	5	6	6	3	4	4	3	3	3	2	3

Sunrise: Time, 6:19 Character, Cloudy. Moonrise: 12:25 p

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	45	45	45	45	44	44	44	42	41	41	40	39
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					Cloudy							→
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	N	N	NE	NE	E	E	E	E	E	E	E	E
Wind movement	3	4	2	4	5	4	4	5	4	5	5	5

Sunset: Time, 4:30 Character, Cloudy. Moonset: 11:26 p

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
45	32	38	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase, F.Q. 9:54 a
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0.1 Possible sunshine, hours, 10.2
Per cent of possible sunshine, 1
Prevailing wind direction, N Total wind 99
Average hourly velocity, 4.1 Extreme velocity, 7
Maximum velocity, 7 Direction, E
Time began, 11:32 p.m.
Reduced barometer, 30.23 7 a. m. 30.32 7 p. m.
River gage, 3.5 feet
Relative humidity, 100 7 a. m. 74 7 p. m.

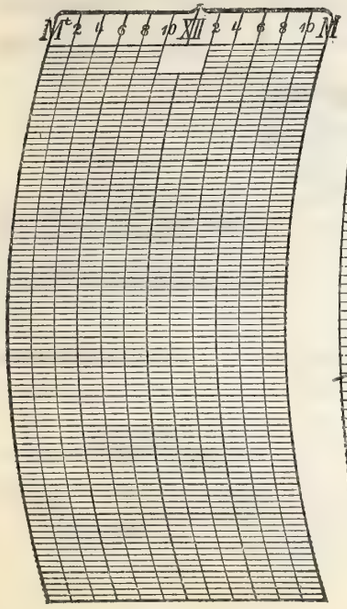
Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Maximum velocities (exceeding 29 miles) direction and time

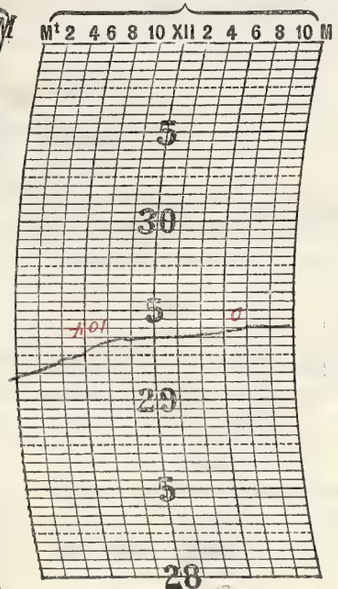
OBSERVATIONS AT 12 NOON. (Local Mean Time.)

Dry temperature, 43.0 Wet temperature, 40.5
Dew-point, 38 R. humidity, 81 V. pressure, .228
Clouds: Amount, 10; Kind, St-Cu; Direction, SW
Velocity of clouds (miles per hour)

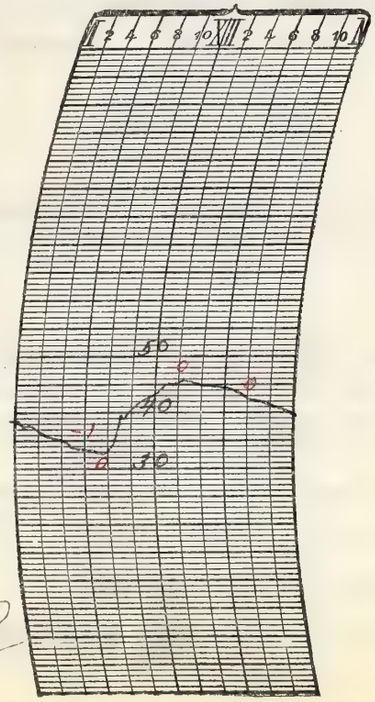
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Dense Fog began 6:20 am.
Dense Fog ended 8:35 am.
Sl. Fog began 8:35 am
Sl. Fog ended 11:14 am.
Cloudy and cold day

Prepared by E. C. S.
Verified by C. M. Donnough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) ....., (Date) ....., 192

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	38	38	38	37	37	36	36	38	41	41	42	46	42	42	42	41	40	36	38	37	36	34	32	31
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							← Cloudy						Cloudy			→ Pt Cldy ←			Cloudy					
Sunshine (in tenths of hours)							0	0	0.6	0.9	0.6	0.5	0.6	0.4	0.5	0	0							
Wind direction	E	E	E	E	E	E	E	E	E	NE	E	E	NE	E	NE	NE	E	NE	NE	NE	NE	NE	NE	NE
Wind movement	6	7	7	7	9	8	9	9	13	14	17	15	17	18	18	19	19	17	15	17	19	20	22	24
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 6:21 Character, Cloudy
Moonrise: 12:56 P
Sunset: Time, 4:29 Character, Cloudy
Moonset: ——

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

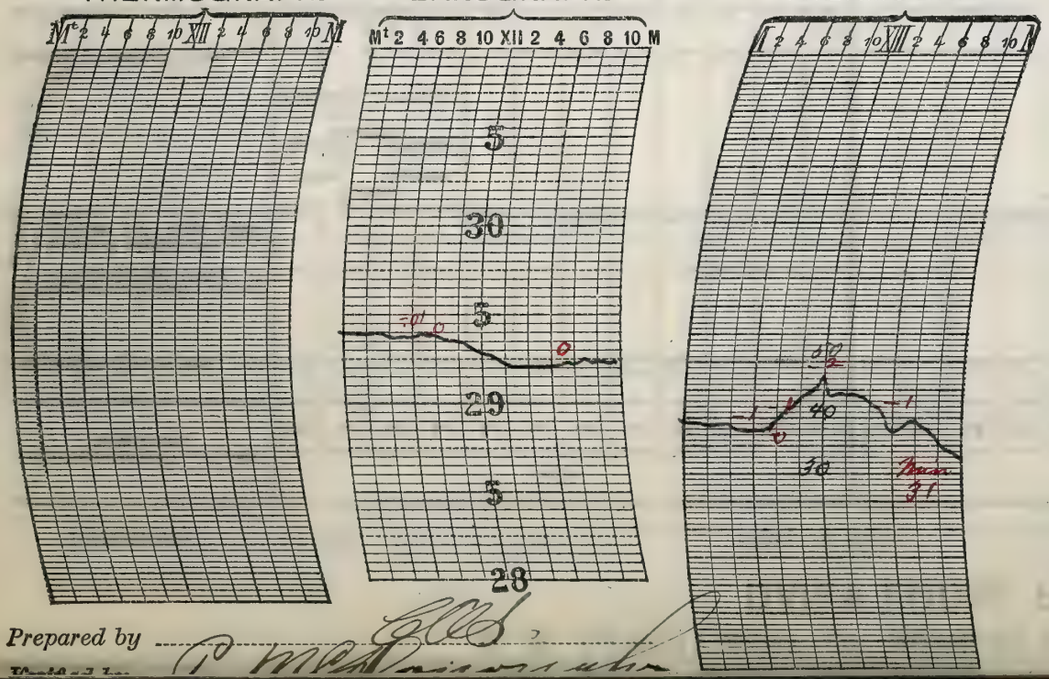
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
46	31	38	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase, ...
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 4.0 Possible sunshine, hours, 10.1
Per cent of possible sunshine, 40
Prevailing wind direction, E Total wind 346
Average hourly velocity, 14.4 Extreme velocity, 30
Maximum velocity, 27 Direction, NE
Time began, 11:21 p.m.
Reduced barometer, 30.31 7 a. m. 30.15 7 p. m.
River gage, 3.1 Feet
Relative humidity, 90 7 a. m. 91 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 45.8 Wet temperature, 42.8
Dew-point, 40 R. humidity, 79 V. pressure, .247
Clouds: Amount, 3 (6); Kind, St.Cu. (2 Cu); Direction, E (NW)
Velocity of clouds (miles per hour)

THERMOGRAPH. BAROGRAPH. THERMOGRAPH.



NOTES.

A bright solar halo of 22 degrees was observed from 7:35 a.m. until 8:50 a.m.
A cloudy, cold, and raw day.

Prepared by P. M. Winslow

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind, (Day of week) Wednesday, (Date) , 192

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	33	33	33	31	31	31	31	31	31	31	31	31
State of weather. Nature of precipitation and time of beginning and ending			RB 2:12 RE 2:33 RSNB 2:33	RSNE 3:25 RSNB 3:25				RSNE 7:10	SNB 8:35			
Amounts of precipitation	0		.02	.08	.05	.03	T	T	—	—	—	—
Cloudiness and other conditions	Cloudy							Cloudy				
Sunrise: Time, Character,	6:22 Cloudy											
Moonrise:	1:27p											
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	N	N
Wind movement	22	19	18	16	16	15	14	12	10	8	8	9

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	32	32	32	32	33	33	33	33	33	33	33	33
State of weather. Nature of precipitation and time of beginning and ending						SNE 5:17						
Amounts of precipitation	—	—	—	—	—	—						
Cloudiness and other conditions												
Sunset: Time, Character,									4:28 Cloudy			
Moonset:									12:23a			
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	N	NE	N	N	N	N	N	N	NW	NW	NW	NW
Wind movement	9	9	8	8	9	9	8	7	8	8	7	10

Maximum velocities (exceeding 22 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
33	31	32	

Total depth of snow for 24 hours ending 7 p. m., 0.3 inches.

Snow, sleet, and hail on ground 7 p. m., 0.3 inches.

Total snowfall, midnight to midnight, 0.3 inches.

Precipitation to 7 a. m., .18 ins.; to 7 p. m., .04 ins.

Total precipitation, midnight to midnight, .22 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10), 10

Actual sunshine, hours, 0 Possible sunshine, hours, 10.1

Per cent of possible sunshine, 0

Prevailing wind direction, NE Total wind 267

Average hourly velocity, 11.1 Extreme velocity, 30

Maximum velocity, 28 Direction, NE

Time began, 3:11am

Reduced barometer, 30.05 7 a. m. 30.07 7 p. m.

River gage, 2.9 Fall

Relative humidity, 95 7 a. m. 90 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

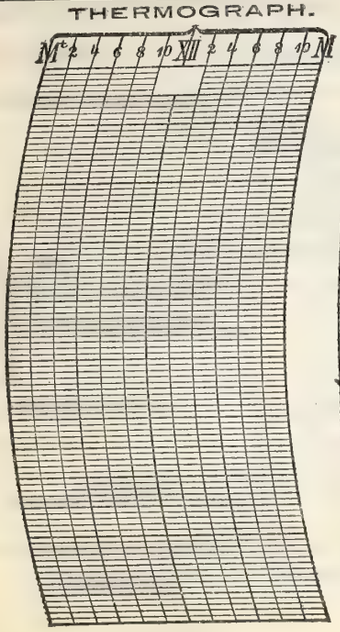
Dry temperature, 32.6 Wet temperature, 32.0

Dew-point, 31 R. humidity, 94 V. pressure, .172

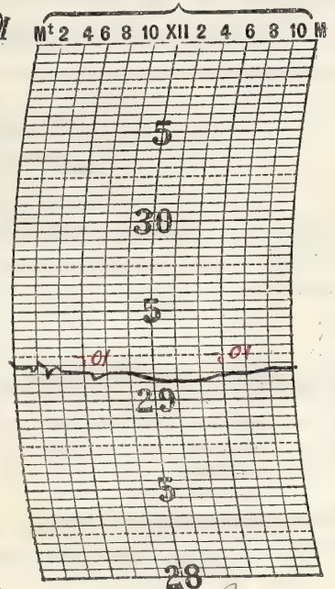
Clouds: Amount, 10; Kind, Nb; Direction, N.

Velocity of clouds (miles per hour)

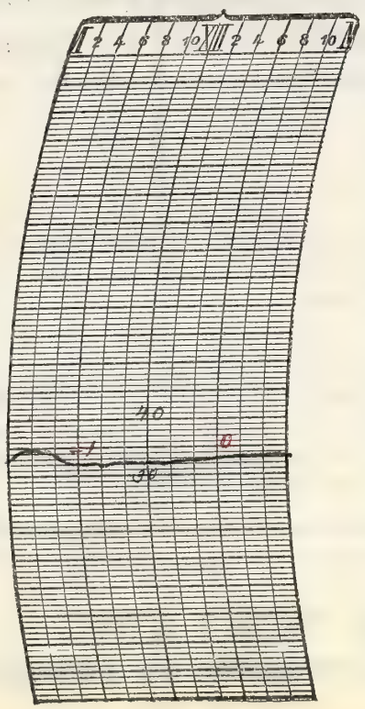
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Prepared by CCS

Verified by C. M. Donnegh

8—486

→ Taken in time tot.

NOTES.

At 6:40 am, the rain equipment was covered with ice to a depth of one-fourth of an inch.

The spring Weekly rain-gage was removed from exposure for the winter, at 2:30 pm.

A cloudy, cold, and very disagreeable day.

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Thursday, (Date) Nov. 10 1898, 192

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	33	33	32	33	33	33	33	32	32	32	34	35
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							← Cloudy					→
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	NW	NW	NW	W	SW	SW	SW	W	SW	SW	SW	SW
Wind movement	8	5	6	6	8	10	10	13	15	17	20	19

Sunrise: Time, 6:23 Character, Cloudy. Moonrise: 1:56 p.

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	36	38	39	39	40	40	40	40	40	40	39	37
State of weather. Nature of precipitation and time of beginning and ending										RB 9:10		19 F DNP
Amounts of precipitation										—	—	—
Cloudiness and other conditions												
Sunshine (in tenths of hours)	0	1.0 ⊗	1.0 ⊗	1.0 ⊗	0.1							
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	W
Wind movement	22	20	19	18	13	11	14	15	14	12	9	10

Sunset: Time, 4:27 Character, Cloudy. Moonset: 1:20 a.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
40	32	36	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pt. Cloudy Moon phase,
Average daily cloudiness (0-10), 7
Actual sunshine, hours, 3.1 Possible sunshine, hours, 10.1
Per cent of possible sunshine, 31
Prevailing wind direction, SW Total wind 314
Average hourly velocity, 13.1 Extreme velocity, 30
Maximum velocity, 26 Direction, SW
Time began, 12:29 p.m.
Reduced barometer, 30.11 7 a. m. 29.97 7 p. m.
River gage, 2.7 Foot
Relative humidity, 88 7 a. m. 81 7 p. m.

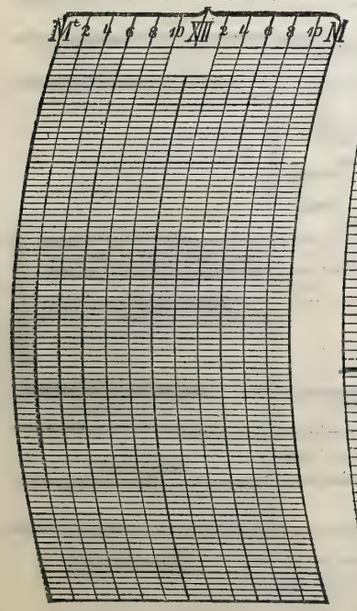
Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

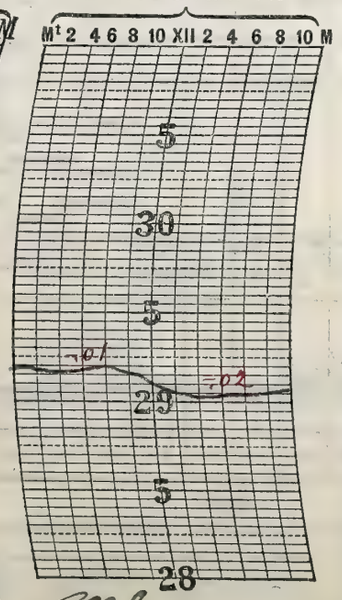
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 35.3 Wet temperature, 32.0
Dew-point, 27 R. humidity, 70 V. pressure, .143
Clouds: Amount, 6; Kind, ~~Strat~~ Cirro-strat; Direction, NW
Velocity of clouds (miles per hour)

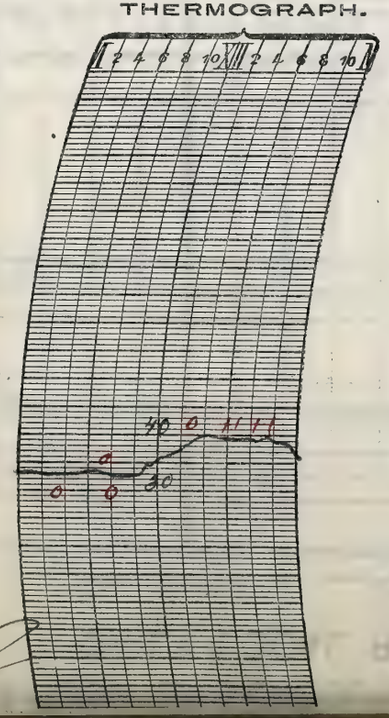
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



⊗ Estimated.
⊗ Eye observation.

NOTES.

A quantity cloudy and cold day.

Prepared by CMS
Verified by P. McDonough

8—486

FORM NO. [illegible]

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind, (Day of week) [illegible], (Date) [illegible], 192

Time (local standard). 90° mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	36	35	35	35	35	34	36	35	35	35	35	35
State of weather: Nature of precipitation and time of beginning and ending		RAIE DNR		SNO DNR								
Amounts of precipitation		—	—	—	—	—	—	—	—	—	—	—
Cloudiness and other conditions							← Cloudy					
Sunrise: Time, Character,	6:24 Cloudy											
Moonrise:	2:26p											
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	W	W	W	W	W	W	W	W	SW	N	NE	NE
Wind movement	9	7	7	6	5	4	2	3	4	4	9	11

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	33	32	31	30	29	29	29	27	27	27	27	25
State of weather: Nature of precipitation and time of beginning and ending								SME 2:45				
Amounts of precipitation	—	—	—	—	—	—	—	—				
Cloudiness and other conditions			Cloudy					→ Cldy × Clear →				
Sunset: Time, Character,									4:26 Cloudy			
Moonset:									2:17a			
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	NE	NE	NE	NE	N	N	N	N	N	N	NW	NW
Wind movement	13	18	17	16	12	11	13	10	8	9	9	8

Maximum velocities (exceeding 29 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
37	25	31	

Total depth of snow for 24 hours ending 7 p. m., 2.0 inches.

Snow, sleet, and hail on ground 7 p. m., 2.0 inches.

Total snowfall, midnight to midnight, 2.0 inches.

Precipitation to 7 a. m., .04 ins.; to 7 p. m., .18 ins.

Total precipitation, midnight to midnight, .22 inches.

Character of day, Cloudy. Moon phase,

Average daily cloudiness (0–10), 10

Actual sunshine, hours, 0 Possible sunshine, hours, 10.0

Per cent of possible sunshine, 0

Prevailing wind direction, W. Total wind 215

Average hourly velocity, 9.0 Extreme velocity, 24

Maximum velocity, 29 Direction, NE

Time began, 1:36 p.m.

Reduced barometer, 29.95 7 a. m. 30.03 7 p. m.

River gage, 2.8 Feet.

Relative humidity, 86 7 a. m. 81 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

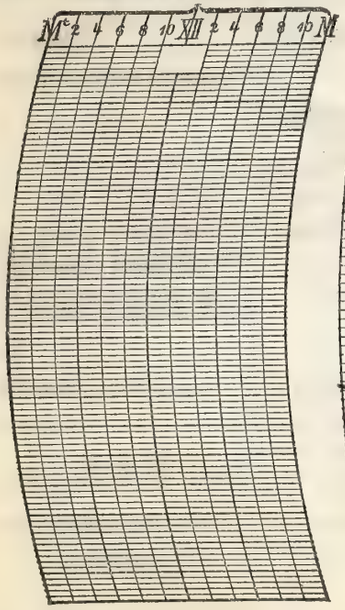
Dry temperature, 37.0 Wet temperature, 35.0

Dew-point, 32 R. humidity, 80 V. pressure, .180

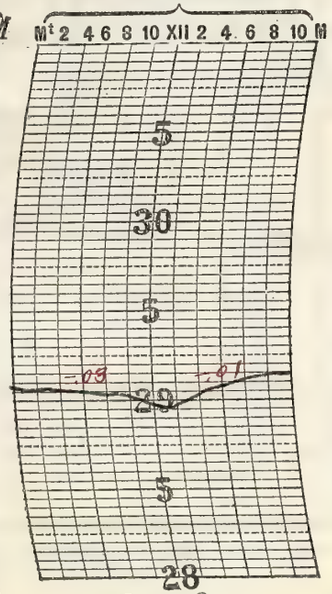
Clouds: Amount, 10; Kind, Nb; Direction, NE

Velocity of clouds (miles per hour)

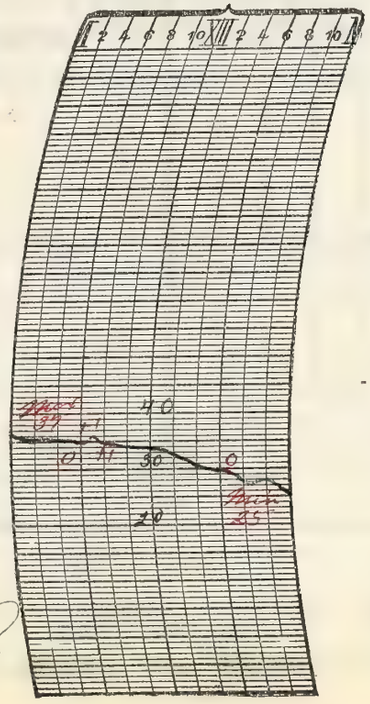
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Prepared by C.E.B.

Verified by C. M. McDonough

8—486

ESTIMATED.

NOTES.

A cloudy and cold disagreeable day with a snow storm blowing from the northeast

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) ....., (*Day of week*) ....., (*Date*) ....., 192

Time (local standard). 90° mer. normal time.

	A. M.												P. M.											
	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	24	23	22	21	21	20	20	22	25	28	29	31	33	34	33	32	31	31	30	30	30	30	28	28
State of weather. Nature of precipitation and time of beginning and ending																						S*P 9:50		
Amounts of precipitation																						—	—	—
Cloudiness and other conditions							← Clear		× Pl. Cloudy						×		Cloudy							→
Sunrise: Time, 6:25 Character, Clear																					Sunset: Time, 4:25 Character, Cloudy			
Moonrise: 2:57 P																					Moonset: 3:16 a			
Sunshine (in tenths of hours)							.58 0	1.0 0	0.9 0.1	0.7	1.0	1.0	1.0	1.0	1.0	0.6	0							
Wind direction	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	W	NW	W	SW	SW	S	S	S	S	SE	SE	S	S	S
Wind movement	8	8	8	7	8	7	7	8	5	6	9	8	7	8	6	7	7	7	5	6	6	7	7	8
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

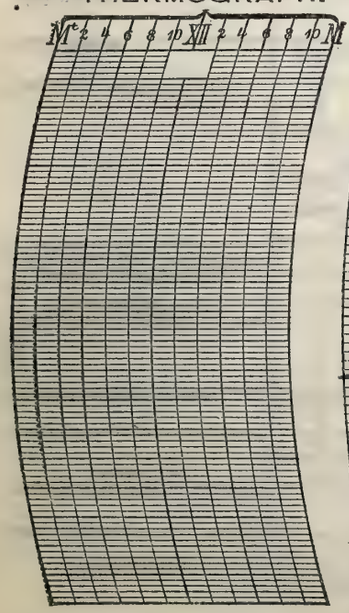
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
35	19	27	

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 1.0 inches.
Total snowfall, midnight to midnight, 0.1 inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0.01 inches.
Character of day, Pl. Cloudy Moon phase, ...
Average daily cloudiness (0–10), 5
Actual sunshine, hours, 8.9 Possible sunshine, hours, 10.0
Per cent of possible sunshine, 89
Prevailing wind direction, NW. Total wind 120
Average hourly velocity, 2.1 Extreme velocity, 11
Maximum velocity, 11 Direction, NW
Time began, 12:19 a.m.
Reduced barometer, 30.22 7 a. m. 30.15 7 p. m.
River gage, 3.0 Feet.
Relative humidity, 85 7 a. m. 68 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 31.0 Wet temperature, 30.0
Dew-point, 29 R. humidity, 89 V. pressure, .15 7
Clouds: Amount, 7; Kind, Ac.; Direction, NW.
Velocity of clouds (miles per hour).....

THERMOGRAPH.



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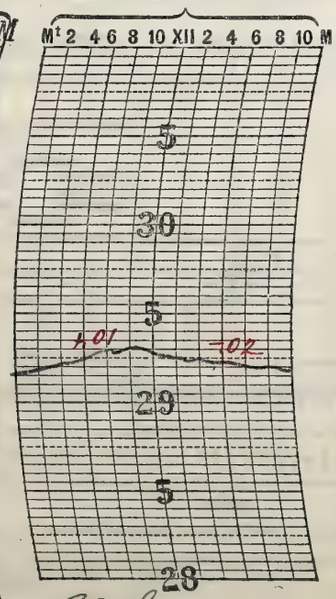

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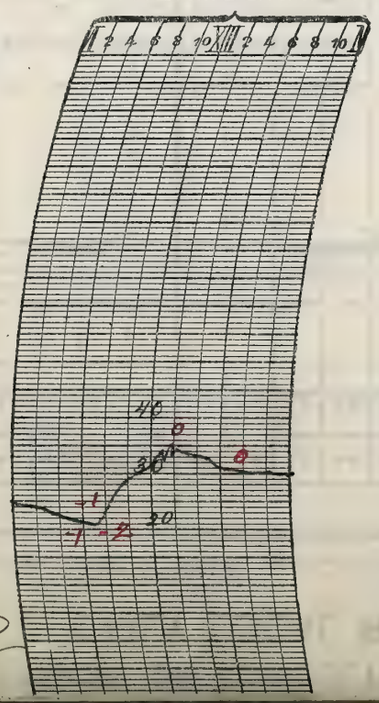


NOTES.

Estimated

A fairly cloudy and cold day.

Prepared by .....

Verified by O. M. Hannaugh

8—486

Form No. 1014—Mar 1.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) ....., (Date) ....., 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	29	28	29	30	30	30	30	31	32	33	33	35
State of weather. Nature of precipitation and time of beginning and ending											S^E 10:40	
Amounts of precipitation	—	—	—	—	—	—	—	—	—	—	—	
Cloudiness and other conditions							← Cloudy					
Sunrise: Time, Character,	6:26 Cloudy											
Moonrise:	3:31 P											
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	S	S	SE	S	S	S	S	S	S	S	S	S
Wind movement	7	7	6	8	10	10	9	10	10	11	12	9

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	35	36	36	35	35	36	36	37	38	38	37	37
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												
Sunset: Time, Character,									4:25 Cloudy			
Moonset:									4:17a			
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	S	S	SE	SE	SE	SE	SE	S	S	SW	S	SW
Wind movement	7	7	5	4	5	5	4	3	9	9	9	10

Maximum velocities (exceeding 22 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

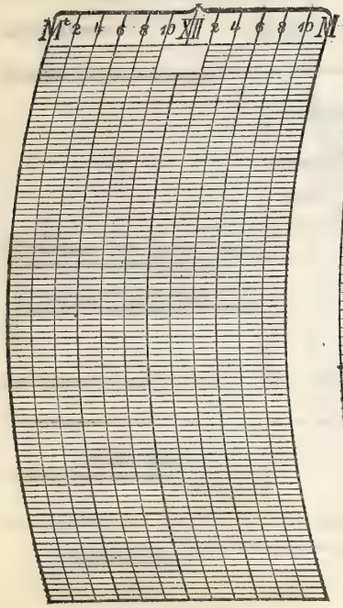
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
38	28	33	

Total depth of snow for 24 hours ending 7 p. m., 1.1 inches.
Snow, sleet, and hail on ground 7 p. m., 0.6 inches.
Total snowfall, midnight to midnight, 1.0 inches.
Precipitation to 7 a. m., .06 ins.; to 7 p. m., .63 ins.
Total precipitation, midnight to midnight, .68 inches.
Character of day, Cloudy Moon phase, ...
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 10.0
Per cent of possible sunshine, 0
Prevailing wind direction, S Total wind 186
Average hourly velocity, 7.8 Extreme velocity, 14
Maximum velocity, 14 Direction, S
Time began, 10:40 a.m.
Reduced barometer, 29.95 7 a. m. 29.81 7 p. m.
River gage, 3.8 feet
Relative humidity, 88 7 a. m. 86 7 p. m.

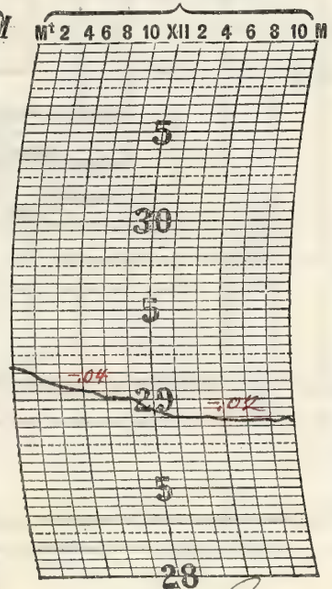
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 34.0 Wet temperature, 33.8
Dew-point, 31 R. humidity, 88 V. pressure, 1.22
Clouds: Amount, 10; Kind, St Cu; Direction, S
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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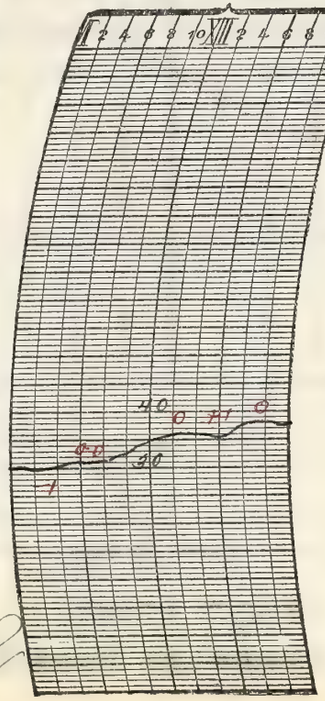


Prepared by C. B. S.

Verified by C. McDonough

8—486

Ø Estimated.

NOTES.

A cloudy, cold, snowy, and very disagreeable day. From about noon the snow melted causing the streets and sidewalks to be muddy and slippery.

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) ....., (*Day of week*) ....., (*Date*) ....., 192

Time (local standard). 90 mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	37	36	34	33	32	32	33	33	34	37	36	36	36	35	35	34	34	32	32	31	30	30	30	30
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							← Cloudy								Cloudy →									
Sunshine (in tenths of hours)							0	0	0.1	1.0	1.0	0.7	0	0	0	0	0							
Wind direction	SW	SW	SW	W	W	W	SW	W	W	SW	W	W	SW	SW	SW	W	W	W	NW	NW	W	W	W	W
Wind movement	11	10	10	8	8	8	11	9	9	9	8	9	10	10	10	11	11	12	12	12	11	12	10	10
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 6:28 Character, Cloudy
Moonrise: 4:08 p.

Sunset: Time, 4:24 Character, Cloudy
Moonset: 5:12 a.

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

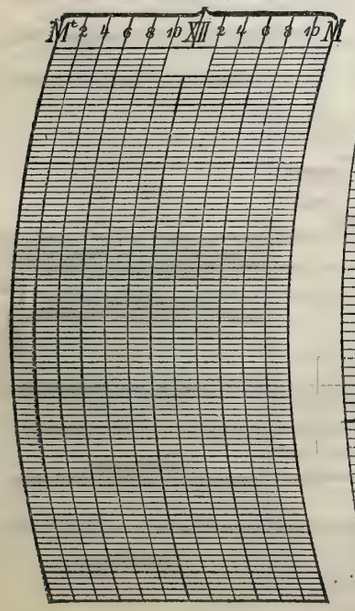
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
37	30	34	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy. Moon phase,
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 2.8 Possible sunshine, hours, 9.9
Per cent of possible sunshine, 28
Prevailing wind direction, W. Total wind 241
Average hourly velocity, 10.0 Extreme velocity, 16
Maximum velocity, 16 Direction, NW.
Time began, 6:27 p.m.
Reduced barometer, 29.91 7 a. m. 30.54 7, p. m.
River gage, 2.8 feet.
Relative humidity, 80 7 a. m. 85 7 p. m.

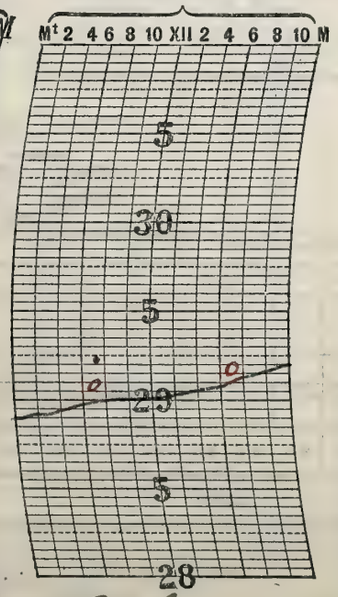
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 35.6 Wet temperature, 33.1
Dew-point, 30 R. humidity, 78 V. pressure, .164
Clouds: Amount, 10; Kind, Sta.; Direction, NW.
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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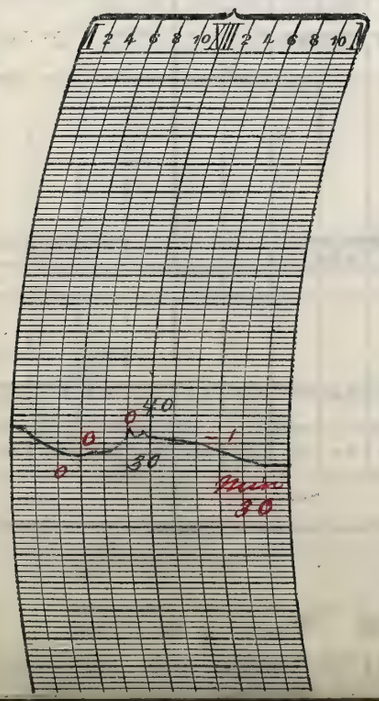


NOTES.

A cloudy and cold day though somewhat warmer than this date last year.

Prepared by CDS

Verified by F. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) ....., (*Day of week*) ....., (*Date*) ....., 192

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	30	30	30	29	29	29	29	29	31	33	36	39	41	42	43	41	40	38	37	36	36	35	37	36
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							← Cloudy × Pl. Cloudy × Clear × Pl. Cloudy — Cloudy →																	
Sunrise: Time, 6:29 Character, Cloudy																					Sunset: Time, 4:23 Character, Cloudy			
Moonrise: 4:50p																					Moonset: 6:21a			
Sunshine (in tenths of hours)							0	0	0.4	1.0	1.0	1.0	1.0	1.0	1.0	0.3	0							
Wind direction	W	W	W	W	W	W	W	SW	SW	SW	SW	SW	S	SW	SW	S	SE	SE	E	E	E	E	SE	SE
Wind movement	9	8	9	8	8	6	6	7	6	8	9	8	7	7	7	4	4	3	6	6	6	7	6	5
Maximum velocities (exceeding 22 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
43	28	36	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pl. Cloudy Moon phase, Full - 2:32 a.m.

Average daily cloudiness (0-10), 5

Actual sunshine, hours, 6.7 Possible sunshine, hours, 9.9

Per cent of possible sunshine, 68

Prevailing wind direction, SW + W. Total wind 160

Average hourly velocity, 6.7 Extreme velocity, 10

Maximum velocity, 10 Direction, SW

Time began, 9:00 a.m.

Reduced barometer, 30.24 7 a. m. 30.23 7 p. m.

River gage, 4.2 Feet.

Relative humidity, 78 7 a. m. 70 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

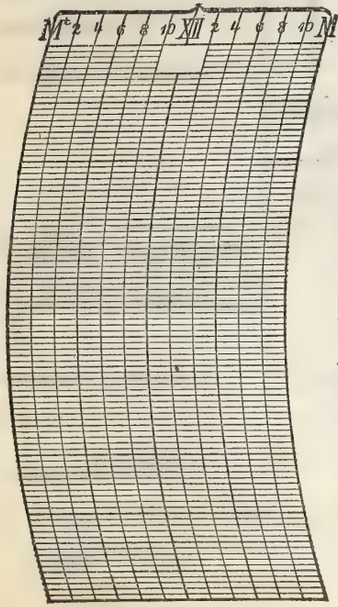
Dry temperature, 38.3 Wet temperature, 34.9

Dew-point, 30 R. humidity, 72 V. pressure, 164

Clouds: Amount, 0; Kind, 0; Direction, 0

Velocity of clouds (miles per hour)

THERMOGRAPH.



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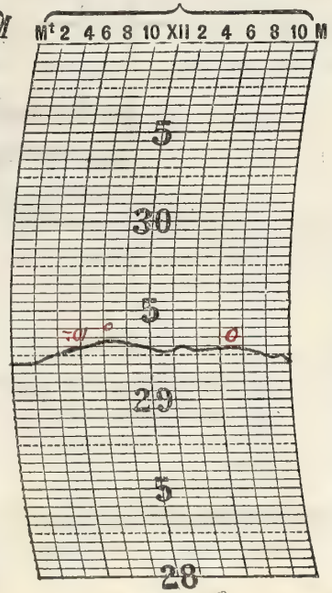

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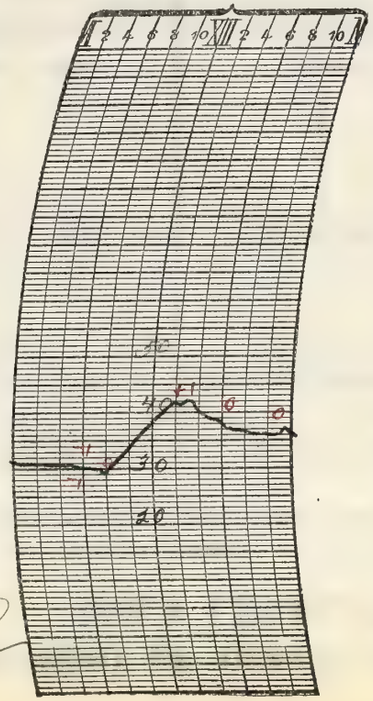


NOTES.

A fair day cloudy and cool & glaring. A central extend,

Prepared by .....

Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) ....., (*Day of week*) ....., (*Date*) ....., 192

Time (local standard) 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	35	33	34	34	36	36	36	39	41	43	45	47
State of weather: Nature of precipitation and time of beginning and ending									RB 8:42	RE 9:10		
Amounts of precipitation									—	—		
Cloudiness and other conditions							←		Cloudy			
Sunrise: Time, Character,	6:30 Cloudy											
Moonrise:	5:38 p											
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	E	E	E	E	E	E	E	SE	SE	SE	S	S
Wind movement	5	5	8	6	7	8	6	4	5	4	4	5

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	50	51	52	54	53	53	53	54	54	54	54	54
State of weather: Nature of precipitation and time of beginning and ending			RB 2:20						RE 8:30			
Amounts of precipitation			—	—	—	—	—	—	—			
Cloudiness and other conditions				Cloudy								→
Sunset: Time, Character,									4:22 Cloudy			
Moonset:									7:24a			
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	S	S	S	SW	SW	S	S	S	SE	S	S	S
Wind movement	5	5	7	10	11	8	6	7	5	5	3	4

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

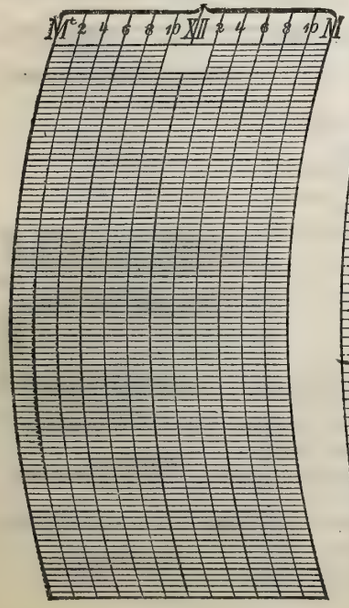
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
54	33	44	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., .30 ins.
Total precipitation, midnight to midnight, .34 inches.
Character of day, Cloudy. Moon phase, ...
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.9
Per cent of possible sunshine, 0
Prevailing wind direction, S Total wind 143
Average hourly velocity, 6.0 Extreme velocity, 12
Maximum velocity, 12 Direction, SW
Time began, 3:34 p.m.
Reduced barometer, 30.03 7 a. m. 29.83 7 p. m.
River gage, 4.5 Feet.
Relative humidity, 86 7 a. m. 94 7 p. m.

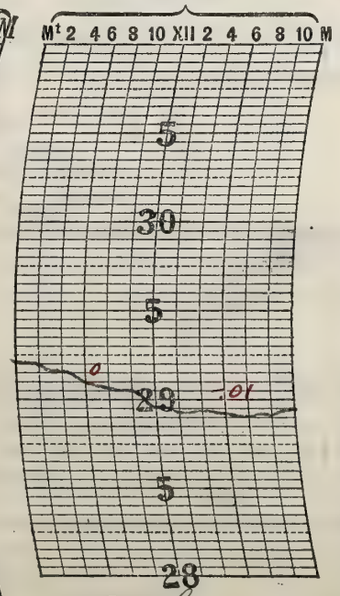
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 46.0 Wet temperature, 44.2
Dew-point, 42 R. humidity, 87 V. pressure, .266
Clouds: Amount, 10; Kind, St; Direction, S
Velocity of clouds (miles per hour) .....

THERMOGRAPH.



BAROGRAPH.



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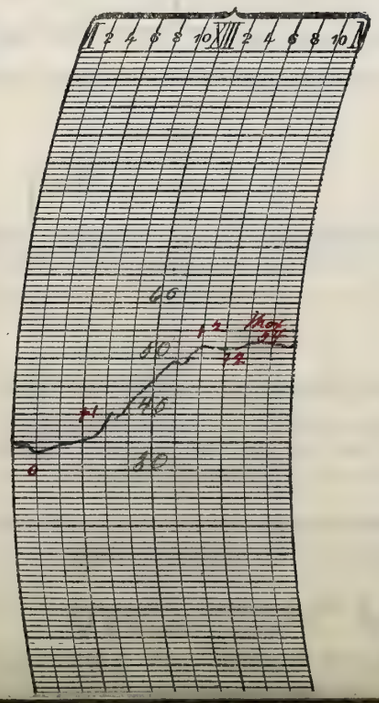


NOTES.

A cloudy and gloomy day with moderate temperatures

Prepared by .....

Verified by .....

8—486

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) _____, (Date) _____, 192

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	54	55	55	55	55	56	56	57	58	59	62	62
State of weather: Nature of precipitation and time of beginning and ending								RB 7:15			RE 10:02	
Amounts of precipitation												
Cloudiness and other conditions							Fog	Cloudy				

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	63	63	63	62	61	61	60	60	59	58	59	58
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions				Cloudy								

Sunrise: Time, 6:31 Character, Fog
Moonrise: 6:33p

Sunset: Time, 4:21 Character, Cloudy
Moonset: 8:24a

	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)							0	0	0	0	0.8	1.0
Wind direction	S	S	S	S	SE	S	S	S	S	S	S	S
Wind movement	4	7	4	7	6	9	8	11	10	10	12	13
Maximum velocities (exceeding 29 miles) direction and time												

	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)	0.3	0	0	0	0							
Wind direction	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	15	14	16	14	11	13	14	15	16	14	12	10
Maximum velocities (exceeding 29 miles) direction and time												

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

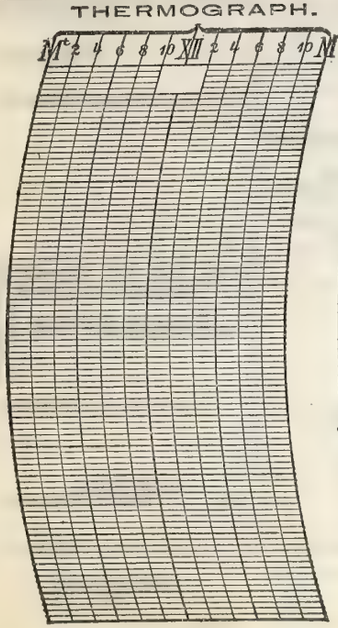
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
63	54	58	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .04 ins.; to 7 p. m., .04 ins.
Total precipitation, midnight to midnight, .04 inches.
Character of day, Cloudy Moon phase, _____
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 2.1 Possible sunshine, hours, 9.8
Per cent of possible sunshine, 21
Prevailing wind direction, S. Total wind 265
Average hourly velocity, 11.0 Extreme velocity, 20
Maximum velocity, 19 Direction, SW
Time began, 2:13 p.m.
Reduced barometer, 29.81 7 a. m. 29.84 7 p. m.
River gage, 4.7 Feet.
Relative humidity, 100 7 a. m. 86 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 62.0 Wet temperature, 60.0
Dew-point, 59 R. humidity, 89 V. pressure, .499
Clouds: Amount, 10; Kind, St Cu; Direction, SW.
Velocity of clouds (miles per hour) _____

THERMOGRAPH.



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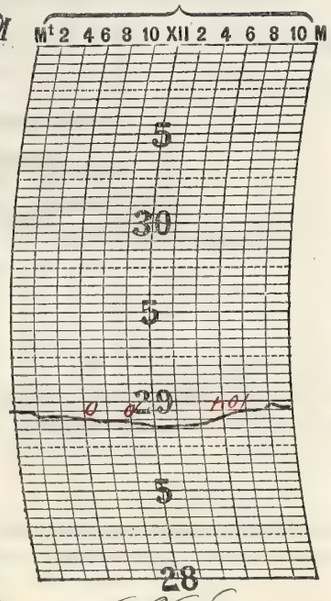

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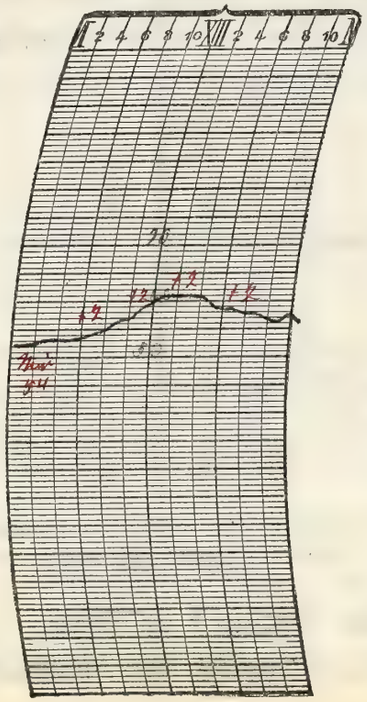


NOTES.

Special 12:00 Noon (75th Meridian Time) observation called for by the Central Office. Message filed at 12:24 p.m. 75th Meridian Time.
Dense Fog began — 10 A.M.
Dense Fog ended — 7:30 a.m.
Light Fog began — 7:30 a.m.
Light Fog ended — 8:00 a.m.
A dark and gloomy day with very mild temperatures.

Prepared by C. C. S.
Verified by C. M. Donough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) [illegible], (Date) [illegible], 192

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	58	58	58	58	59	59	60	61	62	62	62	62
State of weather: Nature of precipitation and time of beginning and ending	RB 12:10			RE DNA			RB 6:40				RE 10:57	
Amounts of precipitation	—	—	—	—			—	—	—	—	—	
Cloudiness and other conditions							← Cloudy					
Sunrise: Time, Character,	6:32 Cloudy											
Moonrise:	7:33P											
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	SW	SW	SW	S	S	S	S	S	SW	SW	SW	SW
Wind movement	9	14	13	11	12	14	16	16	18	17	15	17
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	63	63	63	63	62	61	61	60	54	52	52	52
State of weather: Nature of precipitation and time of beginning and ending				RB 3:15			RE 6:25		RB 8:20			
Amounts of precipitation				—	—	—	—		—	—	—	—
Cloudiness and other conditions					Cloudy				→			
Sunset: Time, Character,									4:20 Cloudy			
Moonset:									9:20a			
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	SW	SW	SW	S	S	S	S	S	NW	N	NW	NW
Wind movement	12	10	11	10	12	15	14	14	11	7	9	8

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
63	52	58	

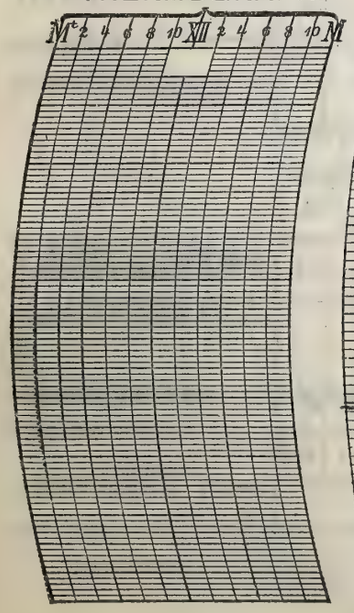
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .46 ins.; to 7 p. m., .25 ins.
Total precipitation, midnight to midnight, 1.15 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.8
Per cent of possible sunshine, 0
Prevailing wind direction, SE SW Total wind 305
Average hourly velocity, 12.7 Extreme velocity, 23
Maximum velocity, 22 Direction, SW
Time began, 8:18 a.m.
Reduced barometer, 29.86 7 a. m. 29.74 7 p. m.
River gage, 6.3 Feet.
Relative humidity, 92 7 a. m. 86 7 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 63.0 Wet temperature, 60.7
Dew-point, 59 R. humidity, 88 V. pressure, .499
Clouds: Amount, 10; Kind, St Cu.; Direction, SW
Velocity of clouds (miles per hour)

THERMOGRAPH.



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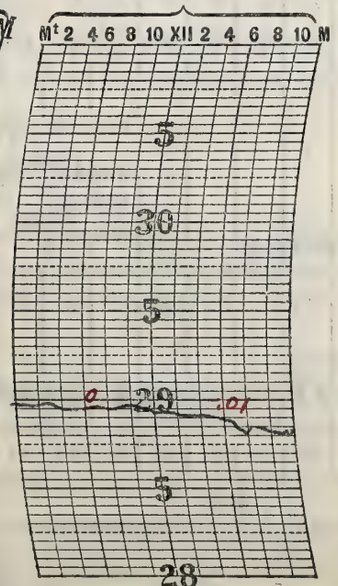

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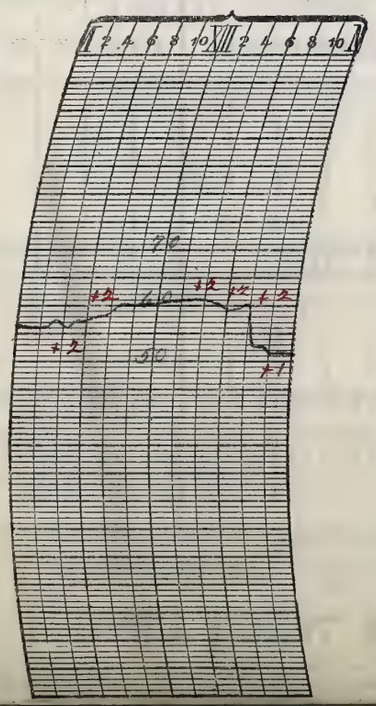


Prepared by [illegible]
Verified by P. McDonough

8—486

NOTES.

(Estimated)

A thunderstorm moving from the west began at 12:05 a.m., and ended at 2:30 a.m. It was of light intensity.

A cloudy, gloomy, and rainy day with unseasonably high temperatures and altogether very disagreeable weather.

FORM NO. 1012—MOD. 1.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) _____, (Date) _____, 192

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	52	52	52	52	53	54	54	46	43	42	41 HE 10:24	42
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation	—	—	—	—	—	—	—	—	—	—	—	
Cloudiness and other conditions							← Cloudy					
Sunrise: Time, Character, 6:33 Cloudy												
Moonrise: 8:37p.												
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	NE	E	S	S	S	SW	S	S	W	W	NW	NW
Wind movement	4	2	5	8	11	14	14	17	20	21	21	22
Maximum velocities (exceeding 29 miles) direction and time												30 NW 11:02

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	41	40	39 HB 2:07	38 HE 3:04	38	38	37	35	35	35	34	34
Nature of precipitation and time of beginning and ending												
Amounts of precipitation			—	—								
Cloudiness and other conditions				← Cloudy								
Sunset: Time, Character, 4:20 Cloudy												
Moonset: 10:11p												
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	NW	NW	NW	NW	NW	NW	NW	W	W	W	W	NW
Wind movement	21	17	15	16	12	13	11	13	12	9	10	7
Maximum velocities (exceeding 29 miles) direction and time												

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
54	34	44	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 1.20 ins.; to 7 p. m., .14 ins.

Total precipitation, midnight to midnight, 1.90 inches.

Character of day, Cloudy Moon phase, _____

Average daily cloudiness (0-10), 9

Actual sunshine, hours, 0 Possible sunshine, hours, 9.8

Per cent of possible sunshine, 0

Prevailing wind direction, NW Total wind 313

Average hourly velocity, 13.1 Extreme velocity, 33

Maximum velocity, 30 Direction, NW

Time began, 11:02 a. m.,

Reduced barometer, 29.71 7 a. m. 29.37 7 p. m.

River gage, 12.7 Feet

Relative humidity, 97 7 a. m. 83 7 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts _____

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

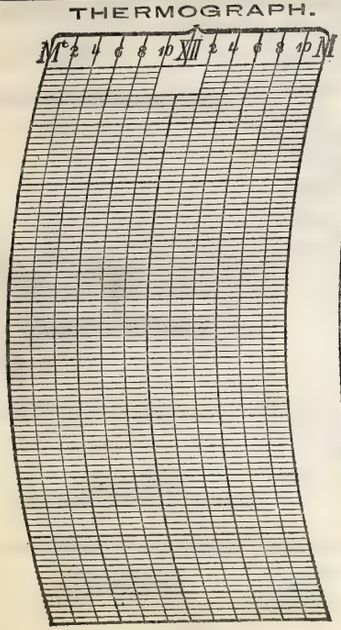
Dry temperature, 41.2 Wet temperature, 37.8

Dew-point, 23 R. humidity, 74 V. pressure, .187

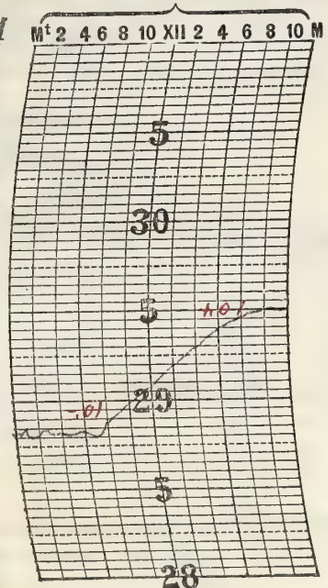
Clouds: Amount, 9; Kind, Stcu.; Direction NNE

Velocity of clouds (miles per hour) _____

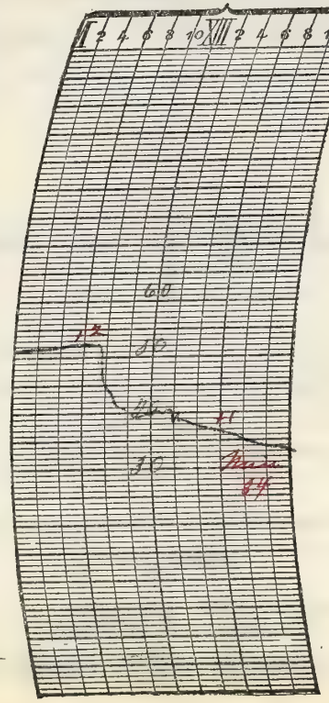
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Ø Estimated

NOTES.

Cold wave warning which was included in forecast message received at 9.08 am. The Cold wave flag was hoisted at once.

A local flood warning was issued at 10:15 am. A crest stage of 15.3 feet was forecast for Sunday.

A cloudy day with moderate temperatures which commenced falling toward evening.

Prepared by E.C.S.

Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) Sunday, (Date) Nov 20 1927, 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	33	33	32	32	32	31	31	32	33	33	35	36	39	40	40	40	40	40	39	38	37	37	37	36
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						← Pt. Cloudy						→	— Cloudy			→	Pt. Cloudy							
Sunshine (in tenths of hours)							0	0	0	0	0	0	0	0	0	0	0							
Wind direction	W	W	W	NW	W	NW	N	N	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
Wind movement	7	7	8	8	5	7	4	4	5	9	8	7	10	11	10	9	4	3	3	3	3	5	5	6
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 6:35 Character, Cloudy
Moonrise: 9:45p

Sunset: Time, 4:19 Character, Cloudy
Moonset: 10:57a

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

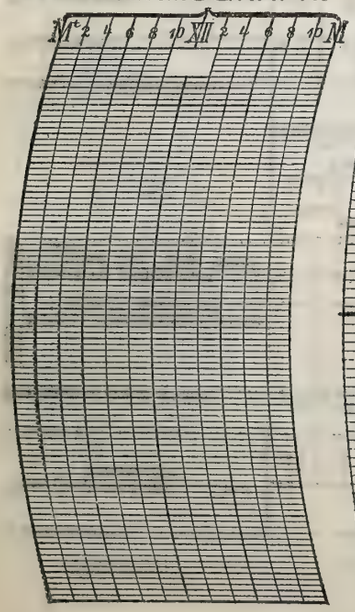
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
40	31	36	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pt Cloudy Moon phase,
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 0 Possible sunshine, hours, 9.7
Per cent of possible sunshine, 0
Prevailing wind direction, S.E Total wind 151
Average hourly velocity, 6.3 Extreme velocity, 17
Maximum velocity, 15 Direction, SE
Time began, 1:19 p.m.
Reduced barometer, 30.52 7 a. m. 30.39 7 p. m.
River gage, 15.7 Fall +
Relative humidity, 77 7 a. m. 88 7 p. m.

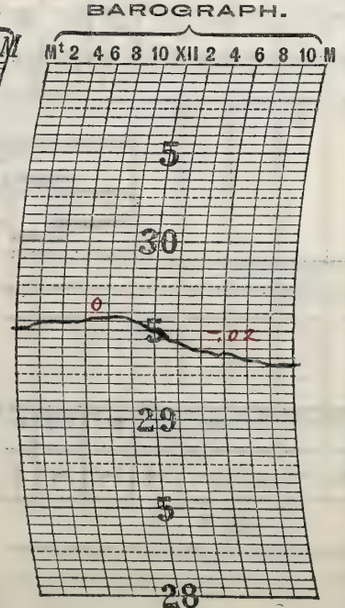
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 35.0 Wet temperature, 33.0
Dew-point, 28 R. humidity, 73 V. pressure, 150
Clouds: Amount, 8; Kind, St Cu.; Direction, SE
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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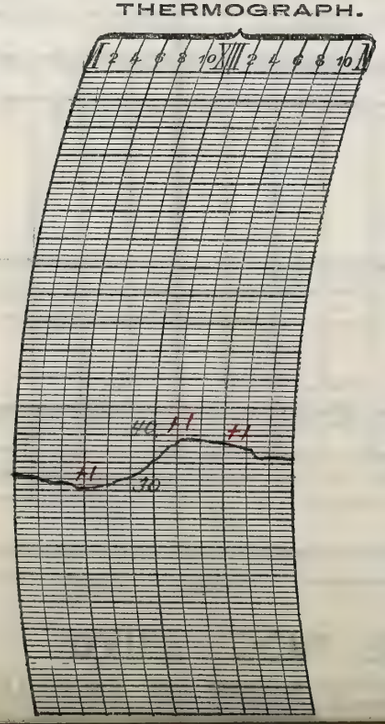


NOTES.

River Stage at 12:00 Noon — 15.9 feet.
A partly cloudy and rather cold day.

Prepared by CCS.
Verified by C. McDonough

8—486

FORM NO. 1013—SECT. 1.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Wed., (Date) ....., 192

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	36	34	34	34	35	35	35	36	37	39	43	48
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							← Cloudy					
Sunrise: Time, Character,	6:36 Cloudy											
Moonrise:	10:52p.											
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	S	S	SW	SW	SW	SW	SW	S	SW	SW	SW	SW
Wind movement	7	7	8	9	9	9	8	10	12	9	12	11
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	50	51	52	49	47	45	44	44	43	43	42	42
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions			Cloudy				× Pt. Cloudy					→
Sunrise: Time, Character,												
Moonrise:												
Sunshine (in tenths of hours)	ϕ	ϕ	ϕ	ϕ								
Wind direction	SW	SW	S	SW	SW	SW	SW	SW	S	SW	S	S
Wind movement	12	13	13	[illegible]	12	9	8	8	8	8	5	6
Maximum velocities (exceeding 29 miles) direction and time												

Sunset: Time, 4:18 Character, Cloudy

Moonset: 11:38a

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
52	34	43	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10), 8

Actual sunshine, hours, 3.7 Possible sunshine, hours, 9.7

Per cent of possible sunshine, 38

Prevailing wind direction, SW Total wind 228

Average hourly velocity, 9.5 Extreme velocity, 16

Maximum velocity, 16 Direction, SW

Time began, 12:48 p.m.

Reduced barometer, 30.23 7 a. m. 30.25 7 p. m.

River gage, 16.1 Fast.

Relative humidity, 84 7 a. m. 71 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

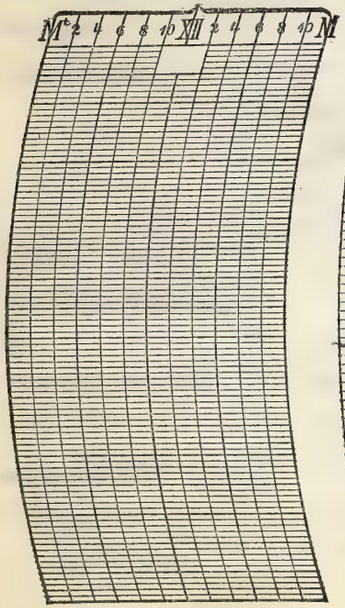
Dry temperature, 46.3 Wet temperature, 42.1

Dew-point, 37 R. humidity, 71 V. pressure, 21.9

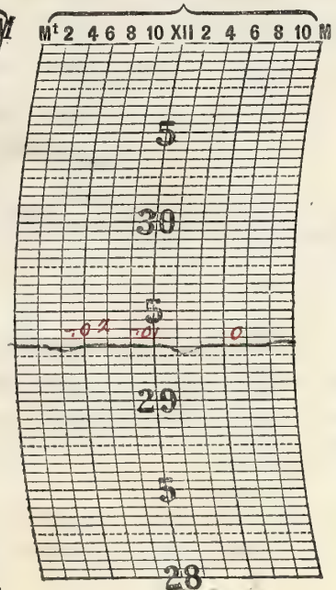
Clouds: Amount, 8; Kind, A St.; Direction, NW.

Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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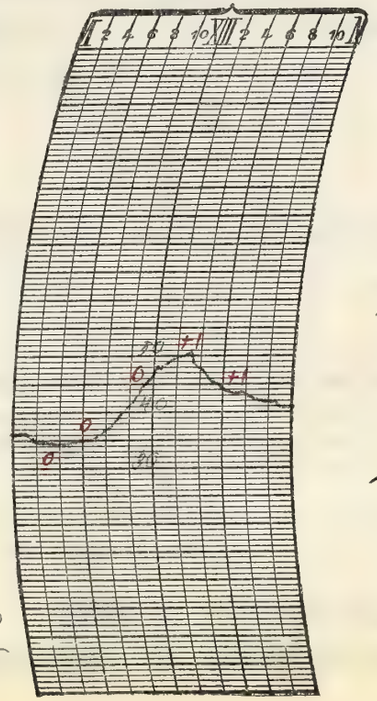


ϕ Sunshine. Eye observation.

NOTES.

The river reached the crest stage passing the mark of the 26th-27th and was falling slowly this morning. ~~The crest of the crest from the marks on the bridge piers was about 18.4 feet.~~

Special 12:00 Noon (75th meridian time) observation called for by the Central Office. It was filled at 11:40 am, local time.

A cloudy day with moderately low temperature.

Prepared by .....

Verified by O. M. Donough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) _____, (Date) _____, 192

Time (local standard). 90° mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	40	38	38	38	35	32	33	34	35	36	39	39
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Foggy		Cloudy			
Sunshine (in tenths of hours)							0	0	0	0	0.4	3
Wind direction	S	S	VV	C	NW	N	NE	NE	NE	E	E	NE
Wind movement	7	5	4	0	2	10	12	12	10	11	8	12

Sunrise: Time, 6:37 Character, Foggy

Moonrise:

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	39	38	38	38	37	35	34	34	34	33	32	32
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions			Cloudy									
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	NE	NE	NE	NE	NE	NE	NE	E	E	NE	NE	E
Wind movement	12	13	13	12	11	14	13	12	13	14	13	14

Sunset: Time, 4:18 Character, Cloudy

Moonset: 12:16 p.

Maximum velocities (exceeding 29 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
42	32	37	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Cloudy Moon phase, 1st Q 5:41 a.m.

Average daily cloudiness (0-10), 10

Actual sunshine, hours, 0.4 Possible sunshine, hours, 9.7

Per cent of possible sunshine, 6

Prevailing wind direction, NE Total wind 242

Average hourly velocity, 10.1 Extreme velocity, 32

Maximum velocity, 17 Direction, NE

Time began, 7:52 p.m.

Reduced barometer, 30.32 7 a. m. 30.38 7 p. m.

River gage, 15.2 Feet

Relative humidity, 95 7 a. m. 90 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

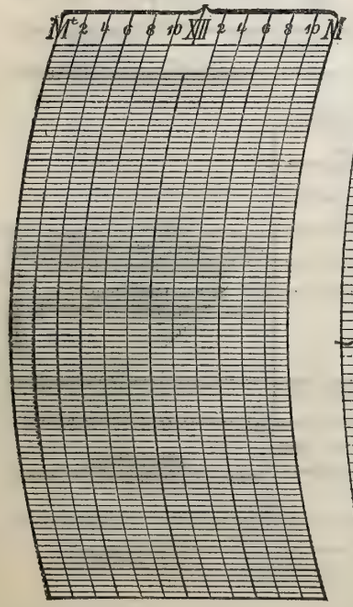
Dry temperature, 39.0 Wet temperature, 37.5

Dew-point, 36 R. humidity, 88 V. pressure, .211

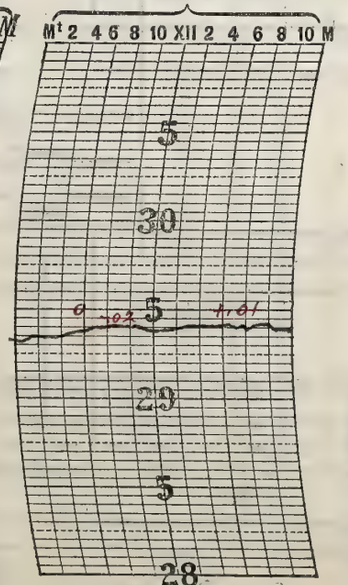
Clouds: Amount, 10; Kind, St.; Direction, NE.

Velocity of clouds (miles per hour)

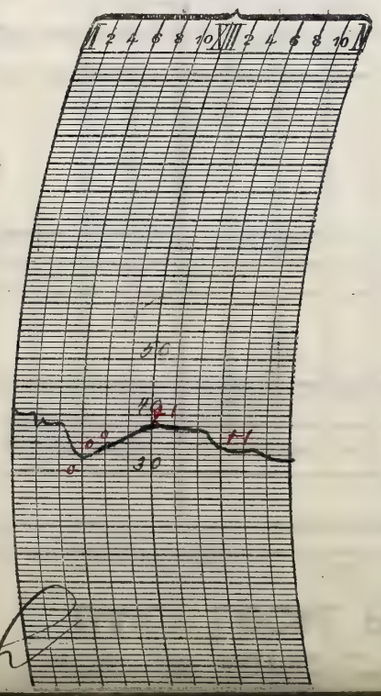
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A cloudy, dark and gloomy day with moderately cool temperature.

Dense Fog began 6:35 a.m.
Dense Fog ended 7:52 a.m.
Light Fog began 7:52 a.m.
Light Fog Ended 10:45 a.m.

Prepared by _____

Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) ....., *(Day of week)* ....., *(Date)* ....., *192*

Time (local standard). 90° mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	32	32	33	33	33	33	33	33	34	35	36	37	38	39	40	40	41	41 RB 6:20	40	40	40	42	43	43
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions						←			Cloudy						Cloudy									→
Sunrise: Time, 6:38 Character, Cloudy																					Sunset: Time, 4:57 Character, Cloudy			
Moonrise: 12:01a																					Moonset: 12:31P			
Sunshine (in tenths of hours)							0	0	0	0	0	0	0	0	0	0	0							
Wind direction	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	E	NE
Wind movement	13	11	9	9	9	9	9	9	9	10	10	10	10	9	6	5	6	5	5	4	5	3	3	2
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
43	32	38	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Cloudy Moon phase, ...

Average daily cloudiness (0-10), 10

Actual sunshine, hours, 0 Possible sunshine, hours, 9.6

Per cent of possible sunshine, 0

Prevailing wind direction, E Total wind 183

Average hourly velocity, 7.6 Extreme velocity, 16

Maximum velocity, 14 Direction, E

Time began, 12:08 a.m.

Reduced barometer, 29.41 7 a. m. 29.43 7 p. m.

River gage, 13.4 Fall

Relative humidity, 70 7 a. m. 80 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

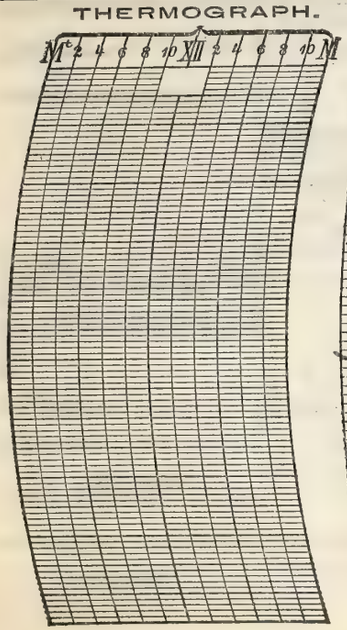
Dry temperature, 37.0 Wet temperature, 36.0

Dew-point, 35 R. humidity, 91 V. pressure, .203

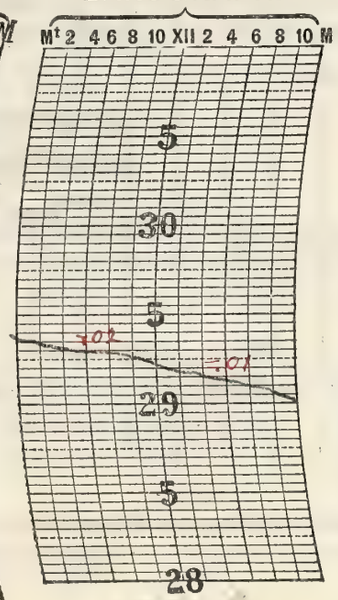
Clouds: Amount, 10; Kind, St; Direction, E

Velocity of clouds (miles per hour) .....

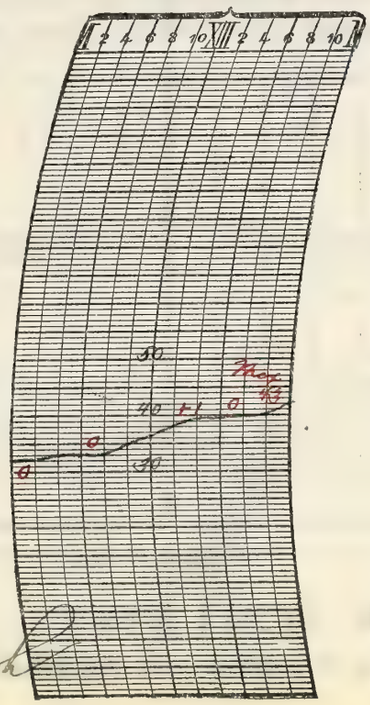
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Estimated

NOTES.

A cloudy and gloomy day, temperatures moderate.

Prepared by .....

Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) Wednesday, (Date) NOV 24 1926, 192

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	43	45	46	47	47	47	44	41	41	42	41	41	41	41	40	39	38	38	38	37	35	34	34	34
State of weather: Nature of precipitation and time of beginning and ending								RE 2:45																
Amounts of precipitation																								
Cloudiness and other conditions							←		Cloudy						Cloudy									→
Sunrise: Time, Character,	6:32 Cloudy																							
Moonrise:	11:03																							
Sunset: Time, Character,																					4:16 Cloudy			
Moonset:																					1:26 p			
Sunshine (in tenths of hours)							0	0	0	0	0	0	0	0	0	0	0							
Wind direction	NE	E	E	NW	SW	N	N	NW	W	W	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	N	NW	NW	NW
Wind movement	6	3	2	3	5	9	14	16	13	13	13	13	15	17	16	15	16	13	11	11	6	7	3	2
Maximum velocities (exceeding 25 miles) direction and time																								

Excessive precipitation, accumulated amounts	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

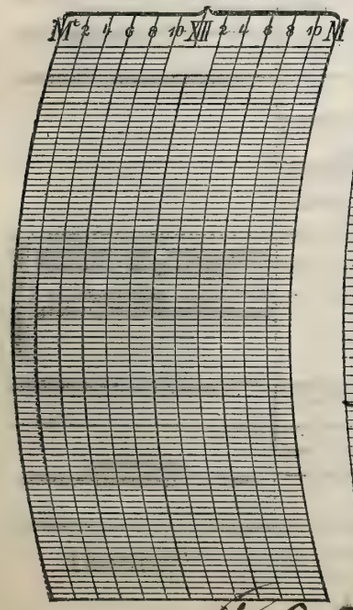
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
47	34	40	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .32 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .32 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0.0 Possible sunshine, hours, 9.6
Per cent of possible sunshine, 0
Prevailing wind direction, NW Total wind 242
Average hourly velocity, 10.1 Extreme velocity, 23
Maximum velocity, 22 Direction, NW
Time began, 1:03 P.M.
Reduced barometer, 28.92 7 a. m. 30.04 7 p. m.
River gage, 11.5 Fall
Relative humidity, 93 7 a. m. 85 7 p. m.

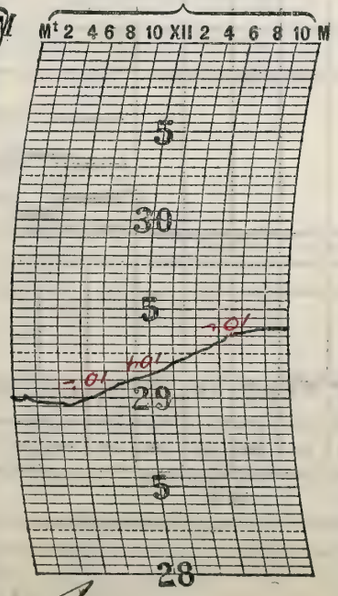
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 41.4 Wet temperature, 39.2
Dew-point, 37 R. humidity, 83 V. pressure, .21.9
Clouds: Amount, 10; Kind, St.; Direction, NW
Velocity of clouds (miles per hour)

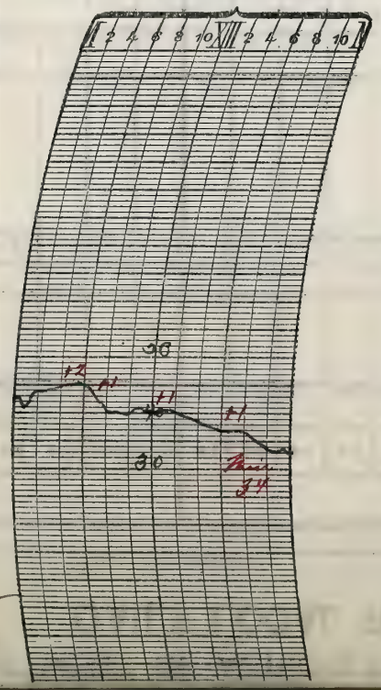
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Prepared by C. O. S.
Verified by T. McDonough

NOTES.

Special 12:00 Noon (75th Meridian) Time observation called for by the Central Office. Filed at 11:17 A.M., local time.
A cloudy cold, gloomy, and rather unpleasant day.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) _____, (Date) _____, 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	32	32	31	30	30	32	31	34	36	38	40	41
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Clear					
Sunshine (in tenths of hours)							0.32 0	0.6 0.4	1.0	1.0	1.0	1.0
Wind direction	W	W	W	W	W	SW	S	S	S	SE	SE	SE
Wind movement	3	2	2	1	1	2	5	4	5	4	6	6
Maximum velocities (exceeding 20 miles) direction and time												

Sunrise: Time, 6:41 Character, Clear

Moonrise: 2:00 am

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	42	43	43	43	42	42	42	42	41	41	40	43
State of weather: Nature of precipitation and time of beginning and ending											RB 10:00	
Amounts of precipitation											—	—
Cloudiness and other conditions					Pt Clouds			Cloudy				
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.3	0							
Wind direction	SE	E	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
Wind movement	6	8	6	7	5	6	6	5	5	7	6	5

Sunset: Time, 4:16 Character, Cloudy

Moonset: 9:00 pm

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
44	30	37	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, .04 inches.

Character of day, Pt Cloudy Moon phase, _____

Average daily cloudiness (0-10), 5

Actual sunshine, hours, 8.6 Possible sunshine, hours, 9.6

Per cent of possible sunshine, 90

Prevailing wind direction, SE Total wind 113

Average hourly velocity, 4.7 Extreme velocity, 11

Maximum velocity, 11 Direction, SE

Time began, 9:23 pm

Reduced barometer, 30.42 7 a. m. 30.00 7 p. m.

River gage, 10.2 Feet

Relative humidity, 80 7 a. m. 70 7 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

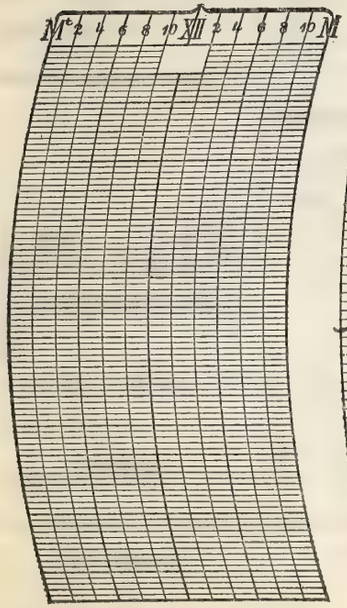
Dry temperature, 41.2 Wet temperature, 36.3

Dew-point, 29 R. humidity, 63 V. pressure, .157

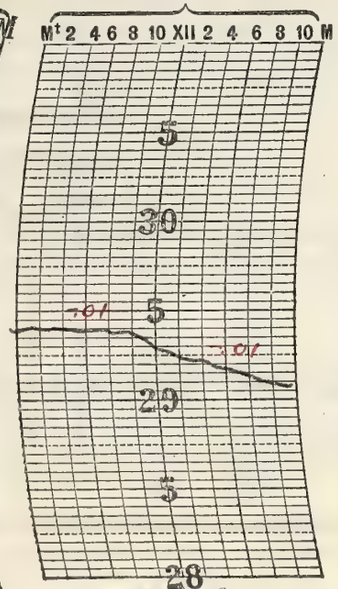
Clouds: Amount, 5; Kind, Cirst.; Direction, NW

Velocity of clouds (miles per hour)

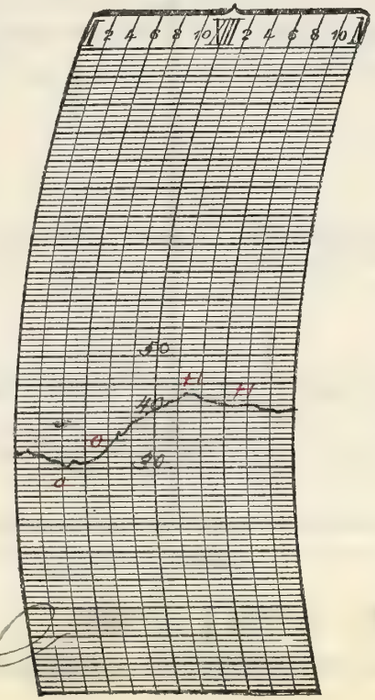
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Estimated precipitation

NOTES.

A partly cloudy day with occasional temperature turned.

Prepared by _____

Verified by P. M. Donoghue

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) [illegible], (Date) NOV 26 [illegible], 192

Time (local standard). 90 mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	39	39	39	39	40	41	42	44	45	47	47	47
State of weather. Nature of precipitation and time of beginning and ending							RF 6:20 RB 6:35	RF 7:23		RB 9		RF 11:15
Amounts of precipitation	—	—	—	—	—	—	—	—		—	—	—
Cloudiness and other conditions							← Cloudy					

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	47	48	48	48	48	48	[illegible]	49	49	49	49	50
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												

Sunrise: Time, 6:42 Character, Cloudy

Moonrise: 3:24a

Sunset: Time, 4:45 Character, Cloudy

Moonset: 3:37p

	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SW	W
Wind movement	4	4	4	6	6	4	3	3	5	8	10	7
Maximum velocities (exceeding 50 miles) direction and time												

	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	SW	SW	SW	SW	SW	SW	SW	S	S	S	S	S
Wind movement	10	12	12	7	6	6	3	4	2	2	1	2
Maximum velocities (exceeding 50 miles) direction and time												

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
50	39	44	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .18 ins.; to 7 p. m., .01 ins.

Total precipitation, midnight to midnight, .19 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10), 10

Actual sunshine, hours, 0 Possible sunshine, hours, 9.6

Per cent of possible sunshine, 0

Prevailing wind direction, SE Total wind 130

Average hourly velocity, 5.4 Extreme velocity, 12

Maximum velocity, 12 Direction, SW.

Time began, 1:04 p.m.

Reduced barometer, 29.90 7 a. m. 29.94 7 p. m.

River gage, 8.4 FEET.

Relative humidity, 88 7 a. m. [illegible] 7 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

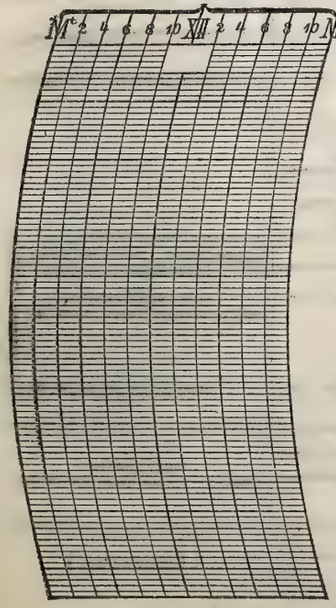
Dry temperature, 48.0 Wet temperature, 47.5

Dew-point, 47 R. humidity, 96 V. pressure, .323

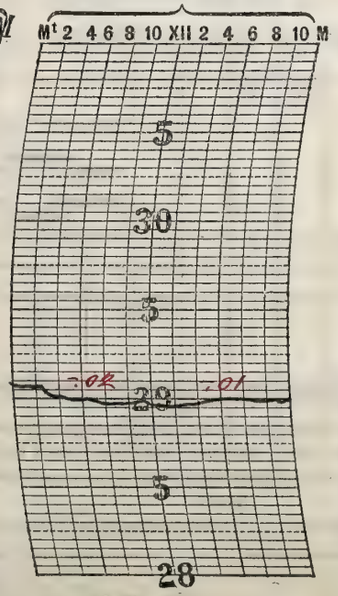
Clouds: Amount, 10; Kind, St; Direction, W.

Velocity of clouds (miles per hour)

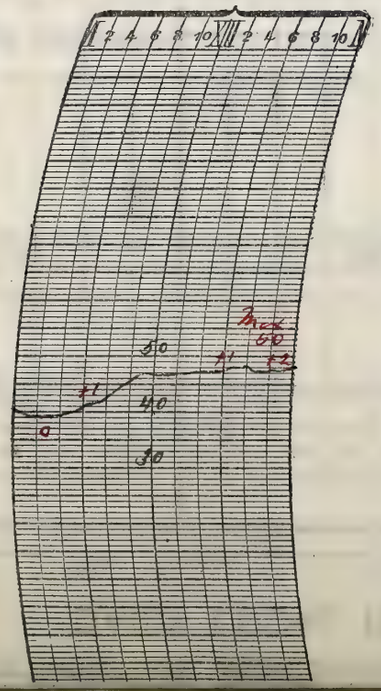
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Estimated precipitation

NOTES.

A cloudy, damp, and disagreeable day with intermittent showers during the morning daylight hours.

Prepared by

Verified by C. M. Denough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, *(Day of week)* _____, *(Date)* _____, *192*

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	48	45	45	45	45	45	47	47	47	47	48	48	47	47	47	46	45	45		43	43	43	43	42
State of weather: Nature of precipitation and time of beginning and ending																			RB 6:00				RF DRP	
Amounts of precipitation																								
Cloudiness and other conditions									Foggy					Foggy			Cloudy							
Sunrise: Time, 6:43 Character, Fog																					Sunset: Time, 4:15 Character, Cloudy			
Moonrise: 4:30																					Moonset: 3:[illegible]			
Sunshine (in tenths of hours)							0	0	0	0	0	0	0	0	0	0	0							
Wind direction	S	S	NE	NE	E	NE	NE	NE	E	E	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
Wind movement	3	0	0	3	6	5	4	5	5	8	8	8	10	12	12	14	15	17	18	18	18	15	16	16
Maximum velocities (exceeding 27 miles) direction and time																								

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
50	42	46	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, .06 inches.

Character of day, Cloudy Moon phase, _____

Average daily cloudiness (0-10), _____

Actual sunshine, hours, 0 Possible sunshine, hours, 9.5

Per cent of possible sunshine, 0

Prevailing wind direction, NE Total wind 243

Average hourly velocity, _____ Extreme velocity, _____

Maximum velocity, 22 Direction, NE

Time began, 6:14 p.m.

Reduced barometer, 29.99 7 a. m. 29.94 7 p. m.

River gage, 8.6 Fall

Relative humidity, 100 7 a. m. 93 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

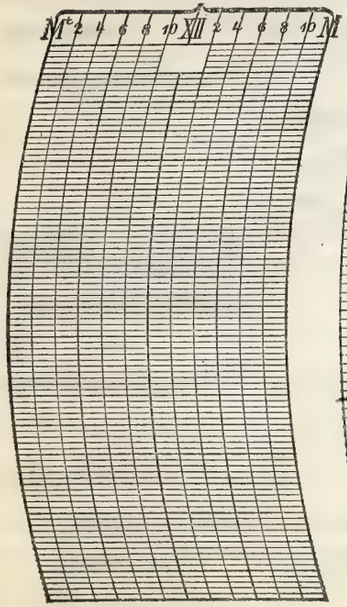
Dry temperature, 47.8 Wet temperature, 47.3

Dew-point, 47 R. humidity, 96 V. pressure, 32.3

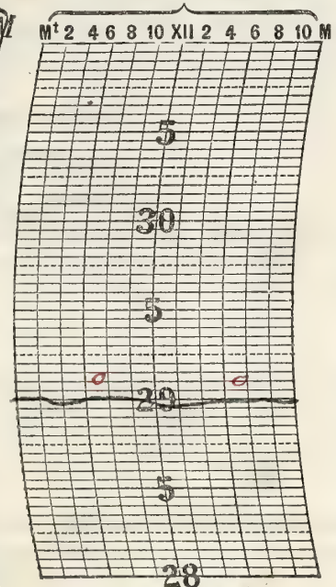
Clouds: Amount, 10; Kind, Dense Fog; Direction, NE

Velocity of clouds (miles per hour) _____

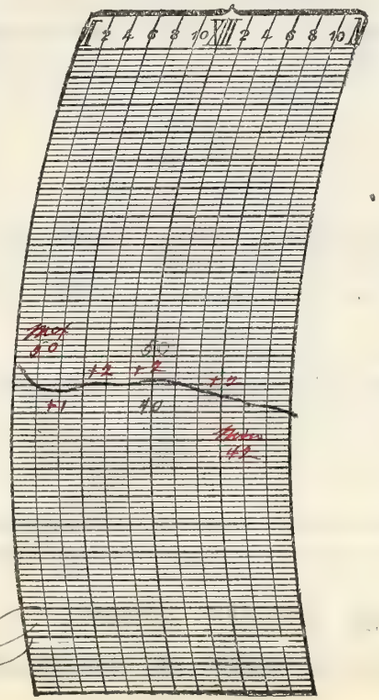
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Light Fog began – 10 A.M.
Light Fog ended – 10 P.M.
Dense Fog began – 12 P.M.
Dense Fog ended – 8:30 p.m.

Prepared by _____

Verified by C. M. Donovan

8—460

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) [illegible], (Date) NOV 23 1922, 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	40	39	38	37	36	36	35	35	34	35	36	36
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions									Cloudy			
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	NE	NE	NE	NE	NE	NE	NE	NE	NE	N	N	N
Wind movement	19	19	18	20	18	18	17	16	17	14	14	11

Sunrise: Time, 6:44 Character, Cloudy. Moonrise: 6:34a

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	36	36	36	35	35	34	33	32	32	32	32	31
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions												
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	N	N	N	N	N	N	N	N	N	N	SW	SW
Wind movement	12	11	12	12	9	8	8	6	6	3	4	2

Sunset: Time, 4:52 Character, Cloudy. Moonset: 3:39p

Maximum velocities (exceeding 25 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

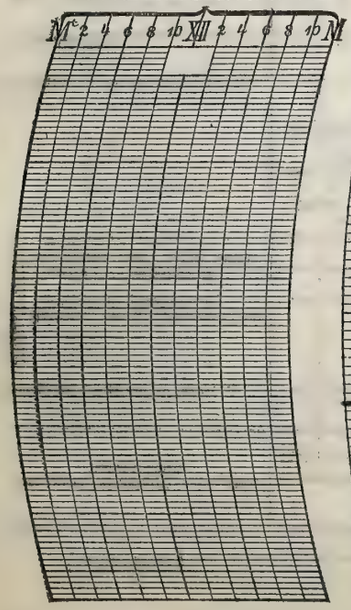
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
42	31	36	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .06 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10),
Actual sunshine, hours, 0 Possible sunshine, hours,
Per cent of possible sunshine,
Prevailing wind direction, N Total wind 301
Average hourly velocity, 12.5 Extreme velocity, 26
Maximum velocity, 25 Direction, NE
Time began, 5:19 a m.
Reduced barometer, [illegible] a. m. 30.15 p. m.
River gage, 8.4 Cor.
Relative humidity, 80 a. m. 90 p. m.

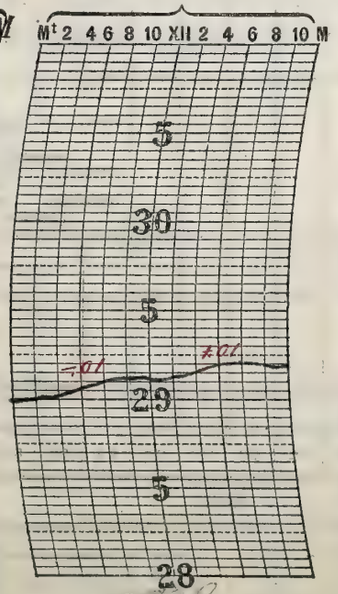
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 35.0 Wet temperature, 33.0
Dew-point, 30 R. humidity, 82 V. pressure, .164
Clouds: Amount, 10; Kind, St; Direction, NE
Velocity of clouds (miles per hour)

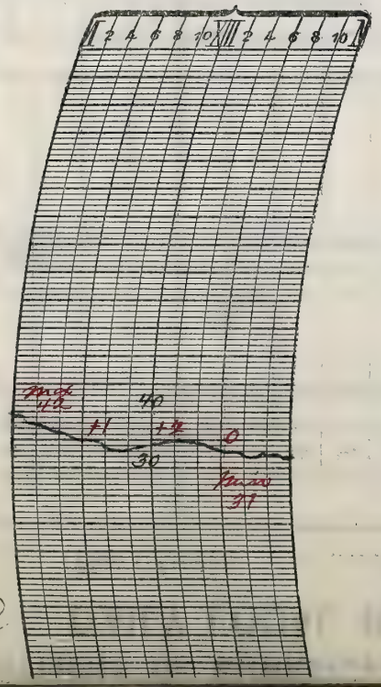
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A cloudy and cold day

Prepared by

Verified by P. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) ....., (*Day of week*) ....., (*Date*) ....., 192

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	31	31	3	42	33	33	32	3	34	35	37	41	44	46	46	45	44	42	41	40	38	38	38	37
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							←	Cloudy				→	P.M.	Cloudy	→	Cloudy		→	P.M.	Clear				
Sunshine (in tenths of hours)							0	0	0	0	0.8	1.0	1.0	1.0	1.0	0.1	0							
Wind direction	W	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	SW	SW	SW	SW	SW	SW	W	W
Wind movement	8	10	10	11	12	11	13	15	16	16	15	17	18	18	16	15	11	12	12	11	10	9	10	7
Maximum velocities (exceeding ... miles) direction and time																								

Sunrise: Time, 6:45 Character, Cloudy

Moonrise: 6:35a

Sunset: Time, 4:14 Character, Cloudy

Moonset: 4:45P

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
46	31	38	X

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Cloudy. Moon phase, New 7:26 a.m.

Average daily cloudiness (0-10), 8

Actual sunshine, hours, 4.2 Possible sunshine, hours, 8.1

Per cent of possible sunshine, 52

Prevailing wind direction, SW. Total wind 306

Average hourly velocity, 12.8 Extreme velocity, 23

Maximum velocity, 22 Direction, SW

Time began, 11:42 a.m.

Reduced barometer, 30.08 7 a. m. 30.02 7 p. m.

River gage, 8.1 Feet

Relative humidity, 0 7 a. m. 80 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

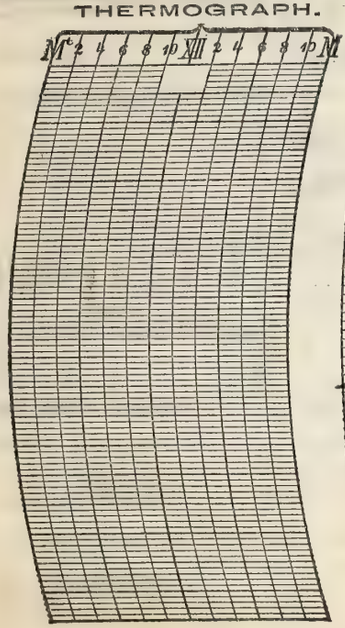
Dry temperature, 39.8 Wet temperature, 37.2

Dew-point, 34 R. humidity, 79 V. pressure, 195

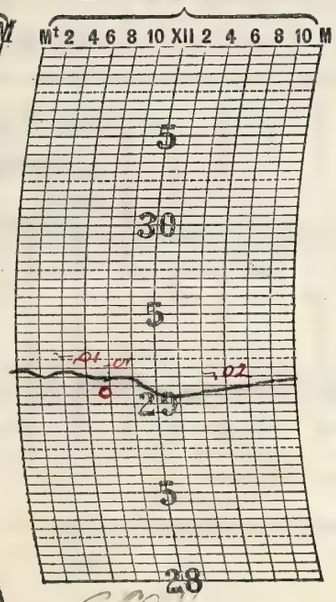
Clouds: Amount, 5; Kind, St Cu; Direction, SW

Velocity of clouds (miles per hour)

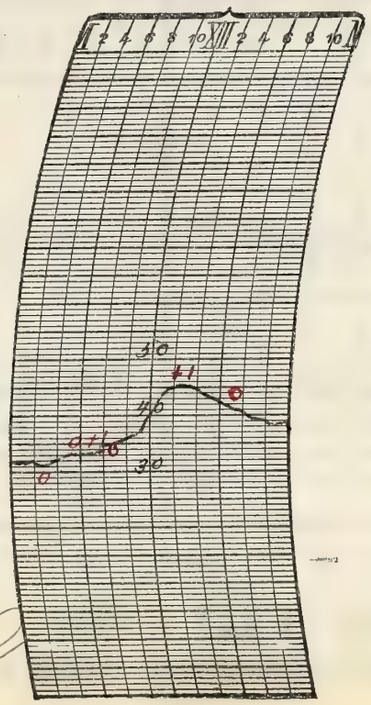
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A cloudy day with nearly seasonal temperatures

Prepared by .....

Verified by P. McDonough

8—186

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) Wednesday, (Date) NOV 30 1921, 192

Time (local standard). 90 mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	36	35	35	32	32	32	[illegible]	31	33	35	37	40
State of weather. Nature of precipitation and time of beginning and ending										RB 9:42	RE 10:10	
Amounts of precipitation										—	—	
Cloudiness and other conditions							Foggy				Pl Cldy	
Sunshine (in tenths of hours)							0	0	0	0	0	0.8
Wind direction	W	NW	NW	NW	NW	NW	SW	S	SE	S	S	S
Wind movement	5	4	1	1	2	2	4	4	6	7	5	5

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	43	44	46	47	48	49	49	49	48	46	44	43
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Cloudy											
Sunshine (in tenths of hours)	0.5	0	0	0	0							
Wind direction	SE	S	S	S	S	S	S	SW	SW	SW	SW	SW
Wind movement	4	5	6	4	3	7	10	9	10	9	9	9

Sunrise: Time, 6:46 Character, Foggy
Moonrise: 7:51a
Sunset: Time, 4:14 Character, Cloudy
Moonset: 8:24p

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
49	29	39	

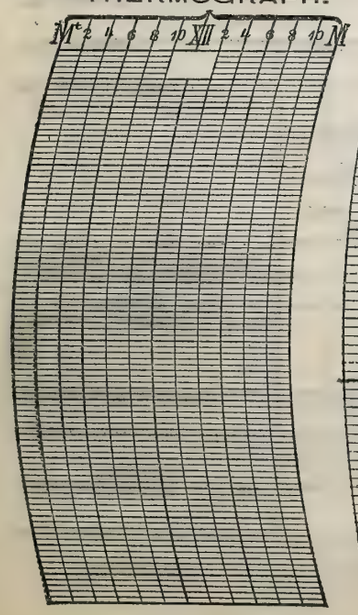
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0–10), 9
Actual sunshine, hours, 1.3 Possible sunshine, hours, 9.5
Per cent of possible sunshine, 14
Prevailing wind direction, S Total wind 131
Average hourly velocity, 5.5 Extreme velocity, 14
Maximum velocity, 14 Direction, E
Time began, 6:37 p.m.
Reduced barometer, 29.99 7 a. m. 29.90 7 p. m.
River gage, 7.1 feet
Relative humidity, 100 7 a. m. 77 7 p. m.

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

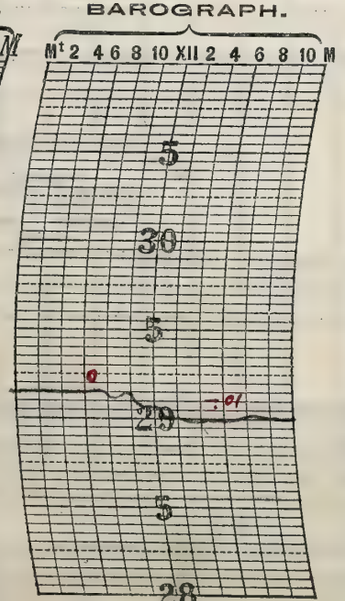
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 42.8 Wet temperature, 40.3
Dew-point, 38 R. humidity, 81 V. pressure, .228
Clouds: Amount, 7; Kind, St-Cu; Direction, SE
Velocity of clouds (miles per hour)

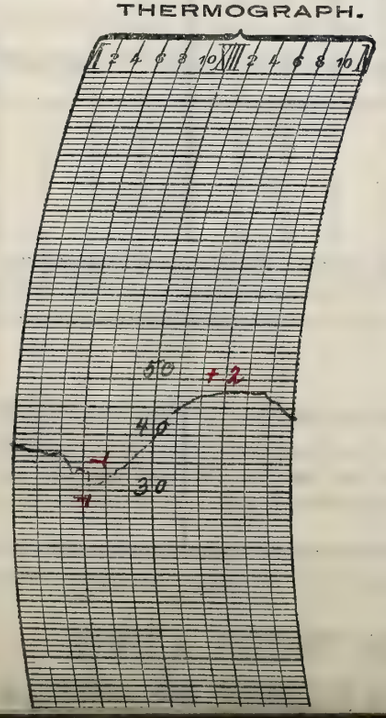
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Dense Fog began:- 10 AM
Dense Fog ended:- 10:15 am.
Slt. Fog began:- 10:15 am
Slight Fog ended:- 3:10 p.m.
A cloudy day with moderate temperature

Prepared by CCS
Verified by P. McDonough

8—486

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) [illegible], (Date) [illegible], 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	42	42	42	42	43	44	44	45	47	49	52	55
State of weather: Nature of precipitation and time of beginning and ending												AB 11:00 RE 11:07
Amounts of precipitation												—
Cloudiness and other conditions							← Cloudy					→ PC
Sunrise: Time, Character,	6:47 Cloudy											
Moonrise:	8:22 a											
Sunshine (in tenths of hours)							0	0	0	0.4	0.3	0.8
Wind direction	SW	SW	SW	SW	S	S	S	S	S	S	S	S
Wind movement	8	7	7	9	2	9	9	11	10	10	12	11

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	59	58	58	57	56	56	56	56	55	55	55	54
State of weather: Nature of precipitation and time of beginning and ending					RB 4:50	RE 5:30		RB 7:10	—	—	RE S.N.	
Amounts of precipitation					—	—		—	—	—	—	
Cloudiness and other conditions	→ Cloudy											
Sunset: Time, Character,									4:14 Cloudy			
Moonset:									6:08 p			
Sunshine (in tenths of hours)	0.8	0.9	0	0	0							
Wind direction	S	S	S	S	SE	S	S	S	S	S	S	S
Wind movement	13	12	9	10	10	9	10	11	14	14	16	18

Maximum velocities (exceeding 29 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
60	42	51	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10), 9

Actual sunshine, hours, 2.2 Possible sunshine, hours, 9.4

Per cent of possible sunshine, 24

Prevailing wind direction, S Total wind 256

Average hourly velocity, 10.7 Extreme velocity, 23

Maximum velocity, 22 Direction, S

Time began, 10:42 p.m.

Reduced barometer, 29.93 7 a. m. 29.68 7 p. m.

River gage, 6.2 Feet.

Relative humidity, 85 7 a. m. 71 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

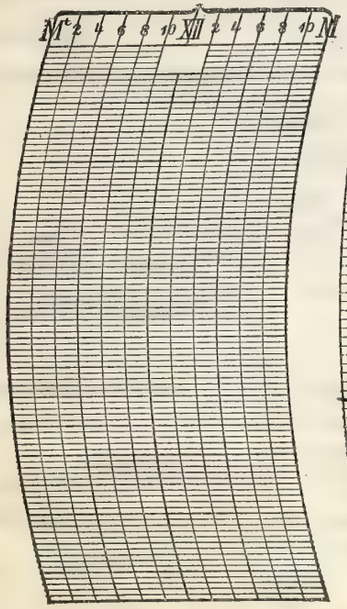
Dry temperature, 57.0 Wet temperature, 52.0

Dew-point, 48 R. humidity, 72 V. pressure, 334

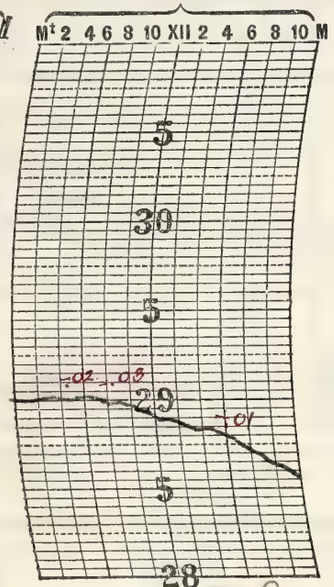
Clouds: Amount, 5; Kind, Cu; Direction, SW.

Velocity of clouds (miles per hour)

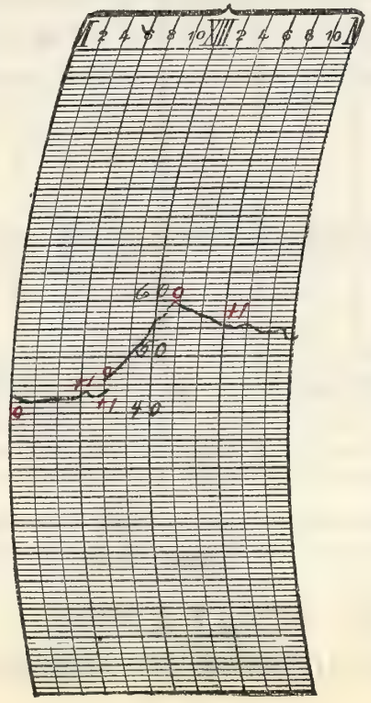
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A cloudy day with mild temperature, and a couple light showers during the day and at night

Prepared by [illegible]

Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) [illegible], (Date) [illegible], 192

Time (local standard) 90° mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	56	54	54	54	55	55	55	56	51	47	44	43
State of weather. Nature of precipitation and time of beginning and ending			RB	E DNR					RB 8:23	RE 9:00	RB 10:59	RE 11:17
Amounts of precipitation			—	—					—	—	—	—
Cloudiness and other conditions								← Cloudy				
Sunrise: Time, Character, 6:48 Cloudy. Moonrise: 9:02a												
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	S	S	S	S	S	S	S	S	W	W	NW	NW
Wind movement	16	19	17	17	12	15	14	14	17	20	20	23
Maximum velocities (exceeding 22 miles) direction and time												

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	41	41	39	38	38	37	36	36	36	36	35	35
State of weather. Nature of precipitation and time of beginning and ending					RB 1:13		RE 6:10					
Amounts of precipitation					4:06	—						
Cloudiness and other conditions												
Sunrise: Time, Character, Moonrise:									Sunset: Time, Character, 4:13 Cloudy. Moonset: 2:23p			
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	NW	NW	NW	W	W	W	W	W	W	W	W	W
Wind movement	24	23	22	20	18	19	17	15	15	14	12	13
Maximum velocities (exceeding 22 miles) direction and time	32 NW 12:35											

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
56	35	46	

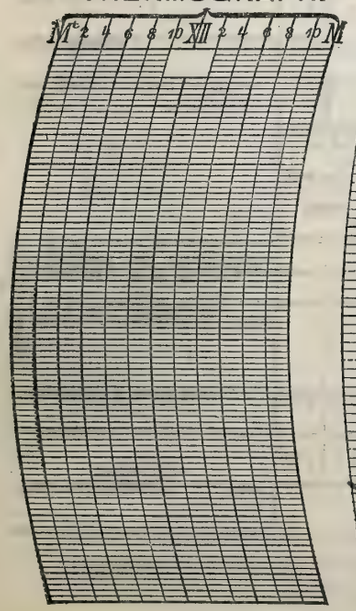
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., .30 ins.; to 7 p. m., .05 ins.
Total precipitation, midnight to midnight, .35 inches.
Character of day, Cloudy. Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.4
Per cent of possible sunshine, 0
Prevailing wind direction, W. Total wind 421
Average hourly velocity, 17.5 Extreme velocity, 35
Maximum velocity, 32 Direction, NW
Time began, 12:35 p.m.
Reduced barometer, 29.28 7 a. m. 29.83 7 p. m.
River gage, 5.7 Feet.
Relative humidity, 92 7 a. m. 82 7 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

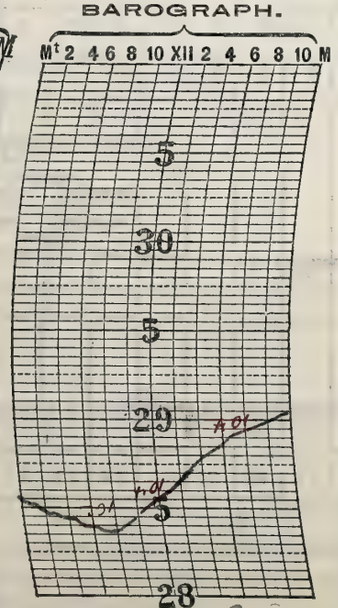
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 42.9 Wet temperature, 41.0
Dew-point, 39 R. humidity, 86 V. pressure, .237
Clouds: Amount, 10; Kind, St.Cu.; Direction, NW
Velocity of clouds (miles per hour)

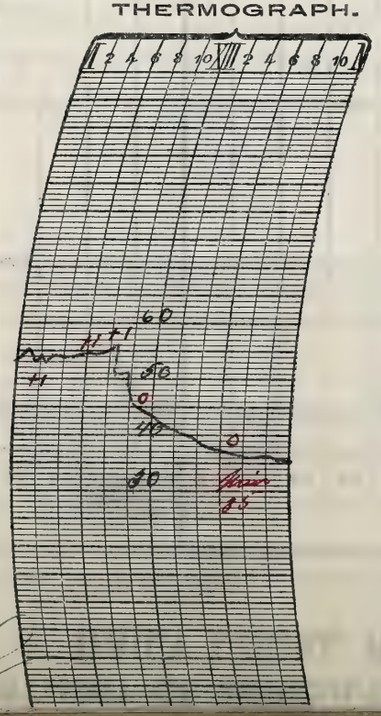
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Special 12:00 Noon (75th Meridian Time) observation called for by the Central Office.

A cloudy day with rather high temperature in the morning which decreased during the day. Intermittent showers occurred throughout the hours of daylight following a rather stormy night hour during the morning hours preceding dawn.

Prepared by [illegible]

Verified by J. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) _____, (Date) _____, 192

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	34	33	33	33	33	33	33	33	33	33	34	34
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							← Cloudy					
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	W	W	W	W	NW	NW	NW	NW	NW	NW	NW	NW
Wind movement	11	11	12	12	11	11	10	12	11	12	11	11

Sunrise: Time, 6:49 Character, Cloudy
Moonrise: 9:48a

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	33	32	34	33	33	32	32	31	31	31	31	31
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					Cloudy →							
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	NW	NW	N	N	N	N	N	NE	NE	NE	NE	NE
Wind movement	9	10	9	6	5	5	7	10	8	6	5	5

Sunset: Time, 4:13 Character, Cloudy
Moonset: 8:19p

Maximum velocities (exceeding 22 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

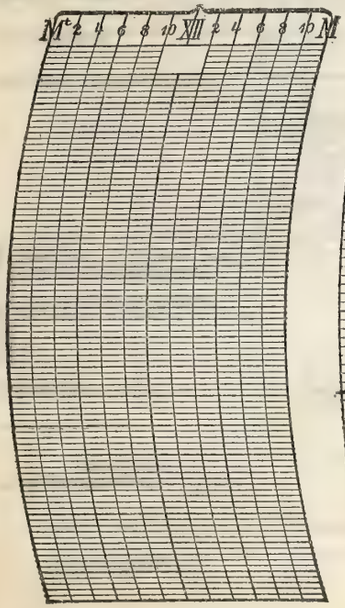
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
35	31	32	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase, _____
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.4
Per cent of possible sunshine, 0
Prevailing wind direction, NW Total wind 220
Average hourly velocity, 9.2 Extreme velocity, 16
Maximum velocity, 24 Direction, NW
Time began, 7:30 a.m.
Reduced barometer, 30.17 7 a. m. 30.20 7 p. m.
River gage, 6.8 feet
Relative humidity, 74 7 a. m. 75 7 p. m.

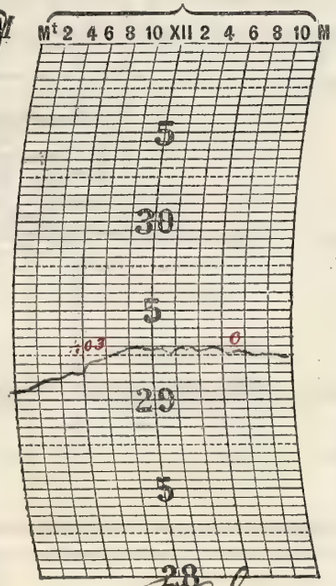
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 33.6 Wet temperature, 29.5
Dew-point, 23 R. humidity, 61 V. pressure, 11.8
Clouds: Amount, 10; Kind, Strat; Direction, NW
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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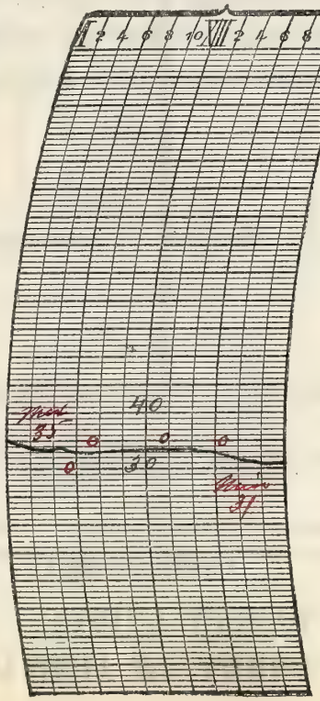


NOTES.

A Cloudy and cold, rainy day

Prepared by _____

Verified by _____

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) ....., (*Day of week*) ....., (*Date*) ....., 192

Time (local standard). 90 mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	30	29	29	29	29	29	29	29	29	31	32	34	35	37	37	35	34	33	33	32	30	29	29	29
State of weather. Nature of precipitation and time of beginning and ending																					S 7:18 8:30			
Amounts of precipitation																					—	—	—	—
Cloudiness and other conditions	Cloudy →						←		Cloudy		×	Pt	Cloudy							×	Cloudy			
Sunrise: Time, 6:50 Character, Cloudy																								
Moonrise: 10:27a																								
Sunset: Time, 4:13 Character, Cloudy																								
Moonset: 9:15p																								
Sunshine (in tenths of hours)							0	0	0.4	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0							
Wind direction	NE	N	NE	N	NE	NE	NE	N	N	N	N	NW	NW	NW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	5	8	8	10	9	8	6	5	6	6	7	6	9	10	10	12	10	10	12	15	17	16	14	16
Maximum velocities (exceeding 29 miles) direction and time																								

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
38	29	34	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0.4 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, .04 inches.

Character of day, Pt Cloudy Moon phase, ...

Average daily cloudiness (0–10), 6

Actual sunshine, hours, 7.2 Possible sunshine, hours, 9.4

Per cent of possible sunshine, 77

Prevailing wind direction, SW Total wind 285

Average hourly velocity, 9.8 Extreme velocity, 26

Maximum velocity, 23 Direction, SW

Time began, 8:40 p.m.

Reduced barometer, 30.05 7 a. m. 29.83 7, p. m.

River gage, 6.9 feet

Relative humidity, 83 7 a. m. 21 7 p. m.

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

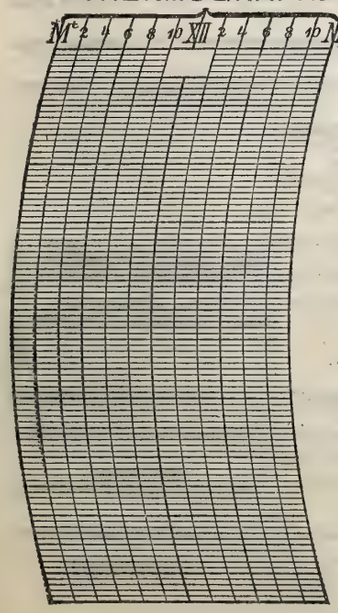
Dry temperature, 35.0 Wet temperature, 30.0

Dew-point, 22 R. humidity, 55 V. pressure, .113

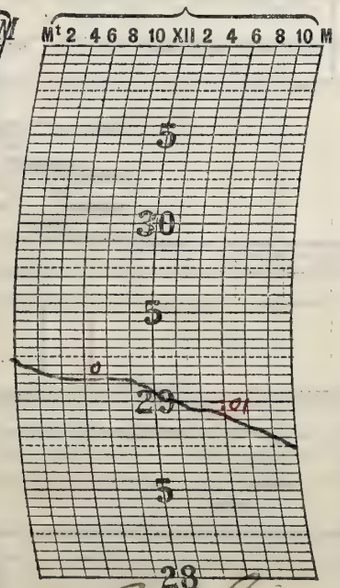
Clouds: Amount, 5; Kind, Cu; Direction, NW

Velocity of clouds (miles per hour).....

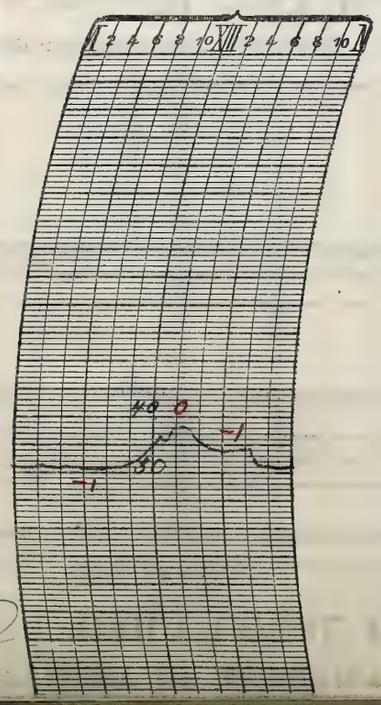
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Estimated snowfall and precipitation.

A pretty cloudy day with moderately low temperature.

Prepared by .....

Verified by C. McDonough

8—486

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) _____, (Date) _____, 192

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	29	30	32	33	34	34	33	34	34	33	33	34
State of weather: Nature of precipitation and time of beginning and ending							S 7E 6:21	S 7D 9:34				
Amounts of precipitation	—	—	—	—	—	—	—	—	—	—	—	—
Cloudiness and other conditions	Clear						← Cloudy					
Sunrise: Time, 6:57 Character, Cloudy												
Moonrise: 10:57a												
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	SW	SW	W	W	NW	NW	NW	NW	W	W	W	W
Wind movement	13	13	14	15	19	16	19	16	13	14	18	18

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	32	32	33	34	34	34	34	34	34	34	34	33
State of weather: Nature of precipitation and time of beginning and ending							S 7E 6:10					
Amounts of precipitation	—	—	—	—	—	—	—					
Cloudiness and other conditions							Cloudy →					
Sunset: Time, 4:13 Character, Cloudy												
Moonset: 10:14												
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	W	W	W	W	W	W	W	W	W	W	W	W
Wind movement	18	18	20	19	17	14	12	10	10	11	10	11

Maximum velocities (exceeding 30 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

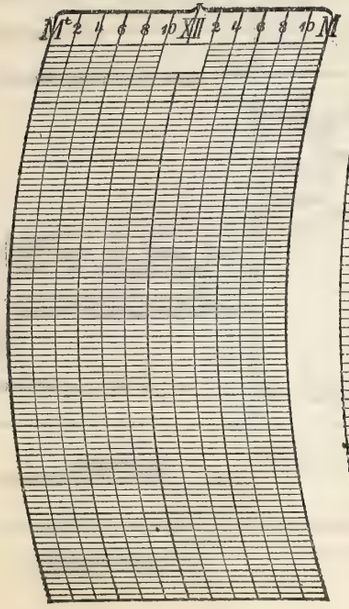
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
34	29	32	

Total depth of snow for 24 hours ending 7 p. m., 1.1 inches.
Snow, sleet, and hail on ground 7 p. m., 0.5 inches.
Total snowfall, midnight to midnight, 1.1 inches.
Precipitation to 7 a. m., .10 ins.; to 7 p. m., .01 ins.
Total precipitation, midnight to midnight, .01 inches.
Character of day, Cloudy Moon phase, _____
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.4
Per cent of possible sunshine, 0
Prevailing wind direction, W Total wind 858
Average hourly velocity, 14.9 Extreme velocity, 37
Maximum velocity, 36 Direction, W
Time began, 9:22 pm
Reduced barometer, 29.73 7 a. m. 29.94 7 p. m.
River gage, 6.0 Feet
Relative humidity, 80 7 a. m. 85 7 p. m.

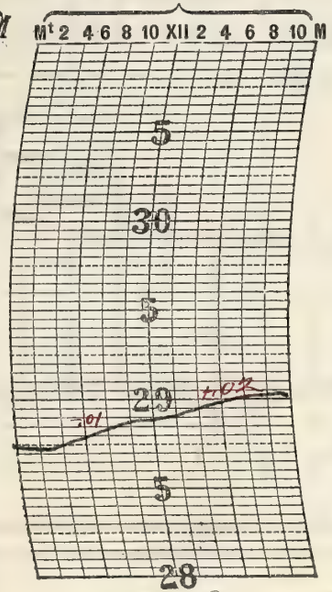
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 33.8 Wet temperature, 31.3
Dew-point, 28 R. humidity, 77 V. pressure, .150
Clouds: Amount, 10; Kind, Nb; Direction, N.W.
Velocity of clouds (miles per hour)

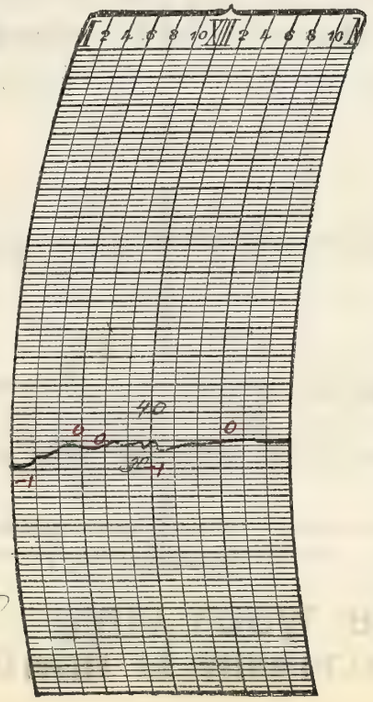
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Estimated

NOTES.

A cloudy and cold day with moist snow falling until early evening.

Prepared by _____
Verified by C. M. Dougherty

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) _____, (*Day of week*) _____, (*Date*) _____, 192

Time (local standard). 90° mer. normal time.

	A. M.												P. M.											
	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	33	33	33	32	32	32	33	33	36	39	42	40	40	41	40	39	38	37	37	35	34	33	33	31
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							Cloudy		N.Cu	Cloudy			Cloudy						Clear					
Sunshine (in tenths of hours)							0	0	0.4	1.0	1.0	0.8	0	0	0	0	0							
Wind direction	W	W	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	NW	W	NW	NW	N	N	N	N	N	N	N	N
Wind movement	14	12	12	9	10	8	9	9	9	11	8	9	7	8	5	7	6	3	3	5	4	3	3	3
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 6:52 Character, Cloudy
Moonrise: 11:22 a.

Sunset: Time, 4:43 Character, Cloudy
Moonset: 11:15 p.

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

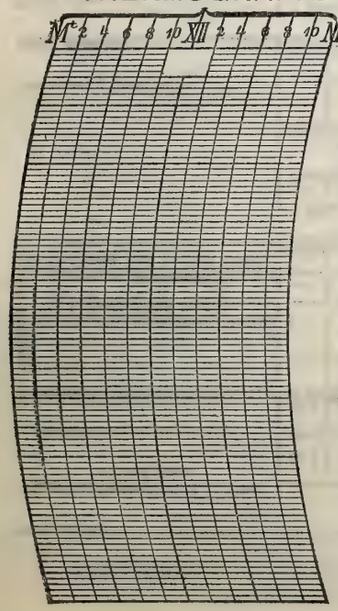
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
42	31	36	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase, _____
Average daily cloudiness (0-10), 8
Actual sunshine, hours, 2.2 Possible sunshine, hours, 9.4
Per cent of possible sunshine, 34
Prevailing wind direction, SW Total wind 172
Average hourly velocity, 7.4 Extreme velocity, 12
Maximum velocity, 16 Direction, W
Time began, 1:00 a.m.
Reduced barometer, 30.00 7 a. m. 30.10 7, p. m.
River gage, 5.5 Feet
Relative humidity, 87 7 a. m. 86 7 p. m.

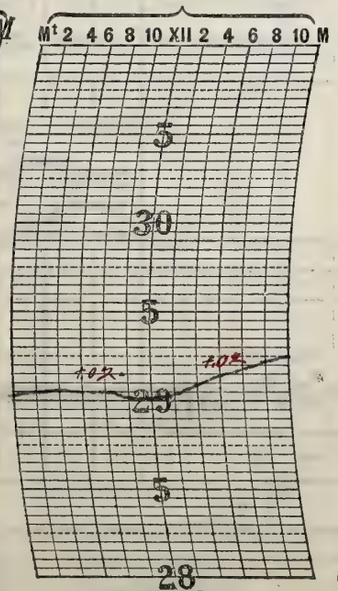
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 41.0 Wet temperature, 37.0
Dew-point, 32 R. humidity, 69 V. pressure, .180
Clouds: Amount, 9; Kind, St.Cu.; Direction, NW
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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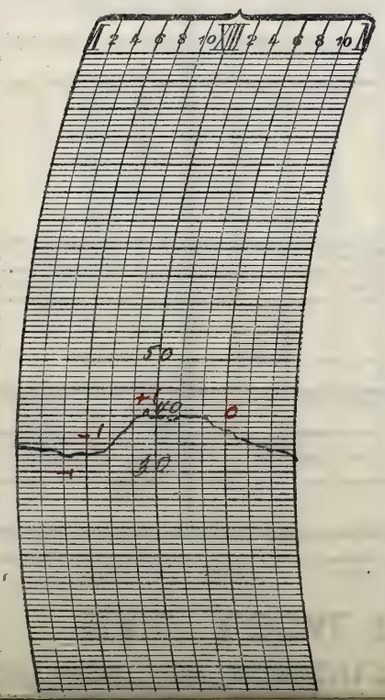


NOTES.

A cloudy and cold day, however the sky cleared about 5:00 pm. A slight deposit of dew was observed at the pm. observation

Prepared by CCS

Verified by P. M. Donovan

8—486

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) [illegible], (*Day of week*) _____, (*Date*) _____, 192

Time (local standard). 90th mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	30	30	29	28	28	28	28	29	33	35	36	37
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Pt. Cloudy					
Sunrise: Time, Character, 6:53 Cloudy												
Moonrise: 11:56a												
Sunshine (in tenths of hours)							0	0.2	0.7	1.0	1.0	1.0
Wind direction	N	N	N	NE	NE	NE	NE	NE	NE	NE	NE	N
Wind movement	4	3	4	4	3	4	5	6	5	4	7	5
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	38	38	37	37	37	36	36	35	35	34	34	33
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					Cloudy							
Sunset: Time, Character, 4:13 Cloudy												
Moonset:												
Sunshine (in tenths of hours)	1.0	1.0	0.3	0	0							
Wind direction	N	NE	NE	NE	NE	NE	NE	NE	S	S	S	SW
Wind movement	5	7	6	4	4	3	2	4	3	3	4	4
Maximum velocities (exceeding 29 miles) direction and time												

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
38	28	33	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pt. Cloudy Moon phase F.Q. 7:30a.m.

Average daily cloudiness (0-10), 7

Actual sunshine, hours, 6.2 Possible sunshine, hours, 9.3

Per cent of possible sunshine, 67

Prevailing wind direction, NE Total wind 105

Average hourly velocity, 4.4 Extreme velocity, 8

Maximum velocity, 8 Direction, NE

Time began, 1:32 p.m.

Reduced barometer, 30.27 7 a. m. 30.24 7 p. m.

River gage, 5.2 Feet

Relative humidity, 79 7 a. m. 81 7 p. m.

	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

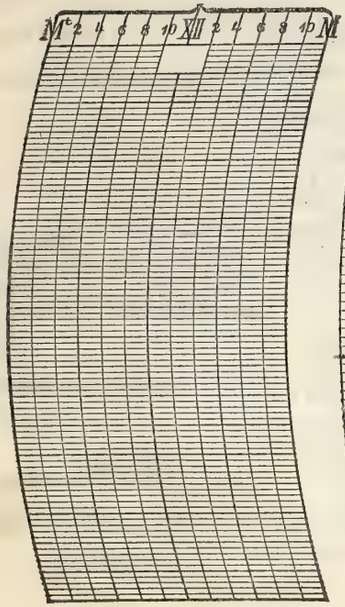
Dry temperature, 37.7 Wet temperature, 33.3

Dew-point, 27 R. humidity, 64 V. pressure, .142

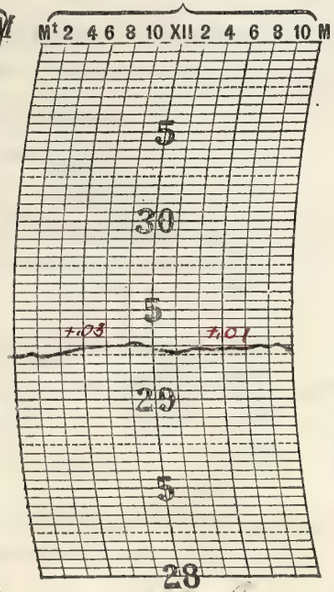
Clouds: Amount, 7; Kind, Cu; Direction, NW

Velocity of clouds (miles per hour)

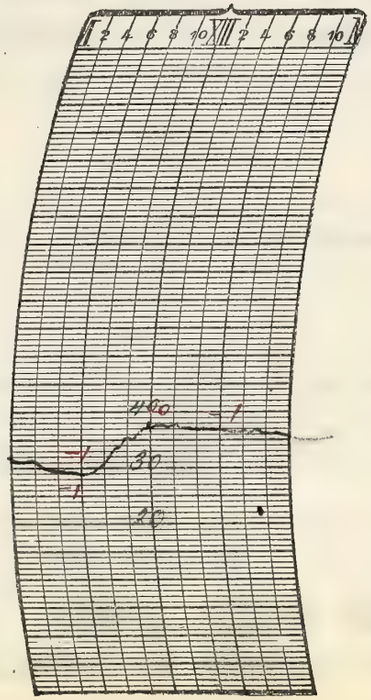
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A fairly cloudy day with moderate temperatures

Prepared by [illegible]

Verified by P. M. Donough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) [illegible]; (Date) [illegible], 192

Time (local standard). 90° mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	33	33	33	33	34	34	35	34	34	34	35	36
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Cloudy						←		Cloudy			
Sunrise: Time, Character,	6:54 Cloudy											
Moonrise:	12:25P											
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	2	3	3	4	3	2	3	4	7	7	10	12
Maximum velocities (exceeding 24 miles) direction and time												

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	36	36	36	35	34	33	33	32	30	30	29	28
State of weather: Nature of precipitation and time of beginning and ending			AB 2:00 AE 2:35									
Amounts of precipitation			T									
Cloudiness and other conditions			Cloudy								→	
Sunset: Time, Character,									4:13 Cloudy			
Moonset:									12:04a			
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	SW	SW	W	NW	NW	NW	W	W	NW	NW	NW	NW
Wind movement	10	9	9	9	10	10	9	9	10	8	9	9
Maximum velocities (exceeding 24 miles) direction and time												

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
37	28	32	

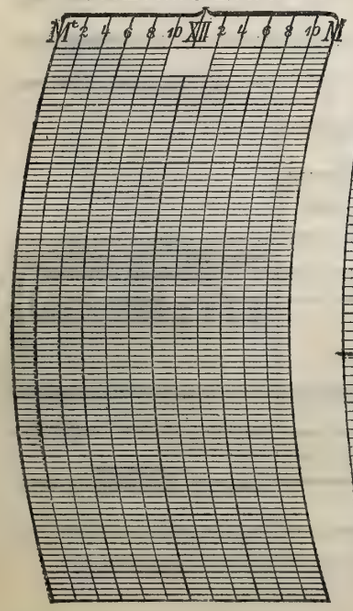
Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.3
Per cent of possible sunshine, 0
Prevailing wind direction, SW. Total wind 171
Average hourly velocity, 7.1 Extreme velocity, 16
Maximum velocity, 15 Direction, SW
Time began, 11:13 a.m.
Reduced barometer, 30.12 7 a. m. 30.14 7, p. m.
River gage, 4.8 Feet.
Relative humidity, 81 7 a. m. 71 7 p. m.

	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

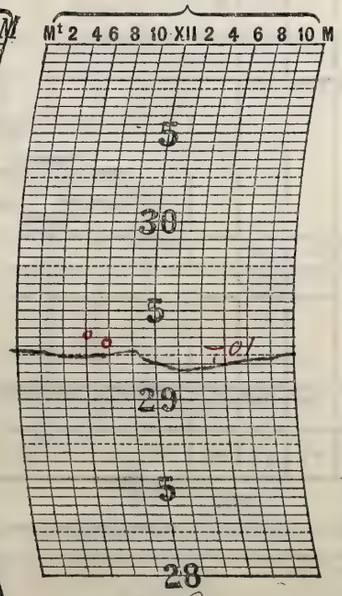
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 36.0 Wet temperature, 34.0
Dew-point, 31 R. humidity, 82 V. pressure, 172
Clouds: Amount, 10; Kind, Strat.; Direction, SW
Velocity of clouds (miles per hour)

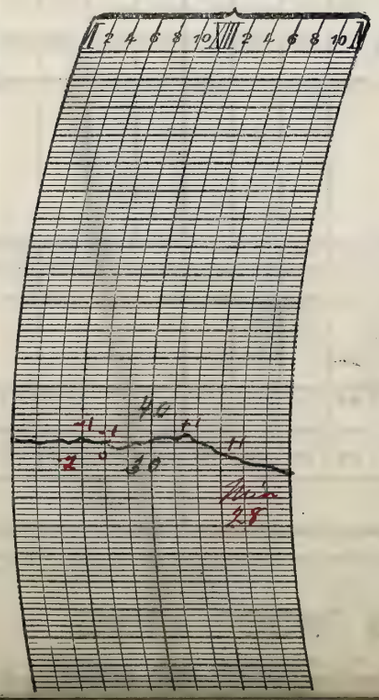
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A cloudy, dark and gloomy day with moderate temperatures.

Prepared by [illegible]
Verified by T. M. O'Donough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) ....., *(Day of week)* ....., *(Date)* ....., 192

Time (local standard). 90° mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	28	28	28	29	29	30	30	30	30	31	31	31	31	32	32	32	33	32	30	30	29	30	29	30
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							←			Cloudy		—		Cloudy	×	Pt Cldy	×		Clear					→
Sunrise: Time, 6:55 Character, Cloudy																					Sunset: Time, 4:13 Character, Cloudy			
Moonrise: 12:55p.																					Moonset: 1:01a			
Sunshine (in tenths of hours)							0	0	0	0	0	0	0	0	0	0	0							
Wind direction	NW	NW	NW	NW	NW	NW	W	W	W	W	W	SW	SW	SW	SW	SW	SW	S	SW	SW	SW	SW	SW	SW
Wind movement	8	6	9	7	6	6	7	8	7	10	8	10	11	12	12	7	5	6	12	13	13	15	15	12
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
33	28	30	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Cloudy Moon phase, ...

Average daily cloudiness (0-10), 9

Actual sunshine, hours, 0 Possible sunshine, hours, 9.3

Per cent of possible sunshine, 0

Prevailing wind direction, SW Total wind 223

Average hourly velocity, 9.0 Extreme velocity, 19

Maximum velocity, @ 18 Direction, SW

Time began, 11:05 pm.

Reduced barometer, 30.27 7 a. m. 30.11 7 p. m.

River gage, 4.5 Feet

Relative humidity, 84 7 a. m. 78 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

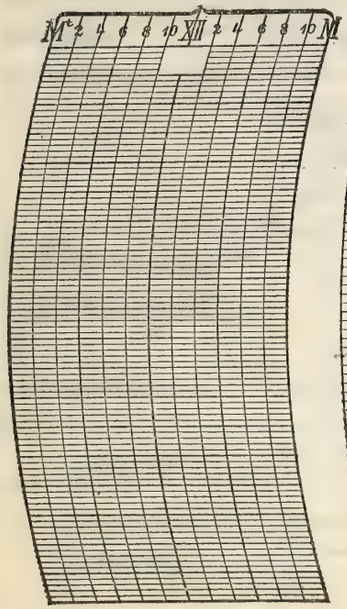
Dry temperature, 30.3 Wet temperature, 28.9

Dew-point, 27 R. humidity, 85 V. pressure, .143

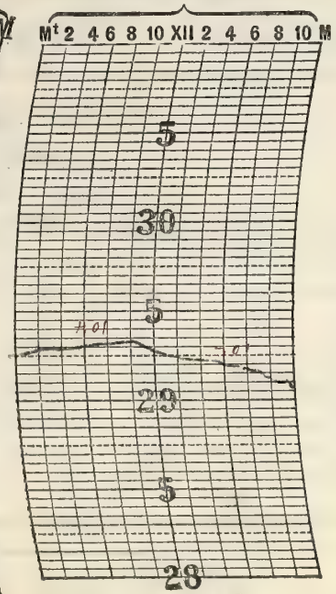
Clouds: Amount, 10; Kind, St; Direction, W.

Velocity of clouds (miles per hour) .....

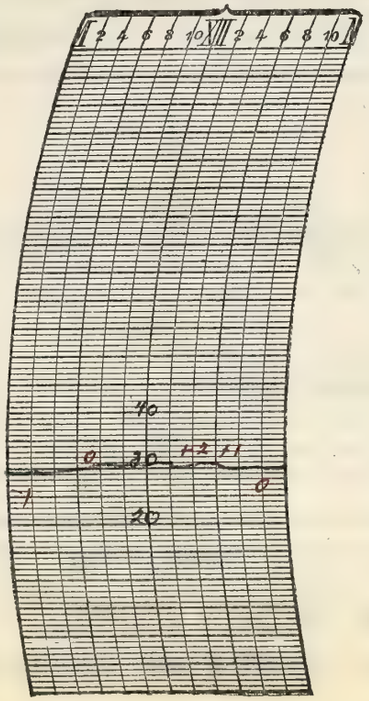
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

@ Estimated. Battery trouble
Ⓐ MAX for 24 H.S

A cloudy and cold rainy day.

Prepared by .....

Verified by .....

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) _____, (*Day of week*) _____, (*Date*) _____, 192

Time (local standard). 90 mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	30	30	32	33	34	34	35	34	36	38	40	43
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							← Clear					
Sunrise: Time, 6:55 Character, Cloudy												
Moonrise: 1:27 a.												
Sunshine (in tenths of hours)							0	0	1.0	1.0	1.0	1.0
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	W	W
Wind movement	14	15	15	16	17	18	16	15	17	17	17	17

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	45	46	47	45	44	41	40	39	38	38	37	36
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions				Clear →								
Sunset: Time, 4:43 Character, Clear												
Moonset: 2:00 a.												
Sunshine (in tenths of hours)	1.0	1.0	1.0	0.2 0.8	0.2 0							
Wind direction	W	W	W	W	W	W	W	W	W	W	W	W
Wind movement	17	17	16	17	12	10	12	12	13	12	11	9

Maximum velocities (exceeding 29 miles) direction and time

Excessive precipitation, accumulated amounts

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
47	30	38	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Clear Moon phase, _____

Average daily cloudiness (0-10), 2

Actual sunshine, hours, 8.2 Possible sunshine, hours, 9.3

Per cent of possible sunshine, 88

Prevailing wind direction, W Total wind 5153

Average hourly velocity, 14.7 Extreme velocity, 27

Maximum velocity, 22 Direction, W

Time began, 12:12 p. m.

Reduced barometer, 29.83 7 a. m. 29.83 7 p. m.

River gage, 4.2 Feet.

Relative humidity, 87 7 a. m. 84 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

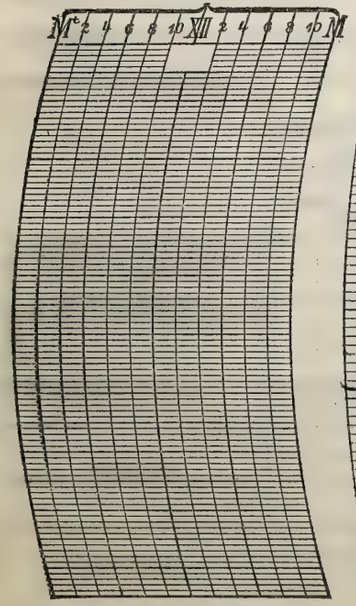
Dry temperature, 43.1 Wet temperature, 38.8

Dew-point, 34 R. humidity, 75 V. pressure, .195

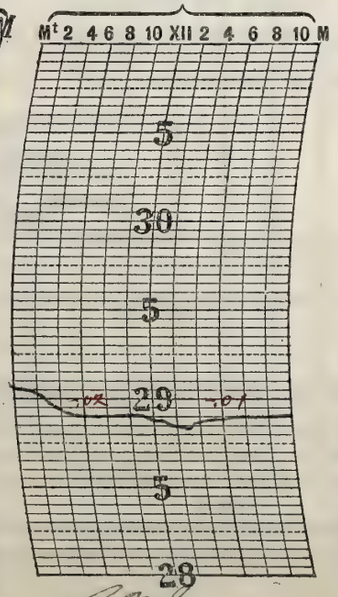
Clouds: Amount, 1; Kind, St; Direction, SW

Velocity of clouds (miles per hour)

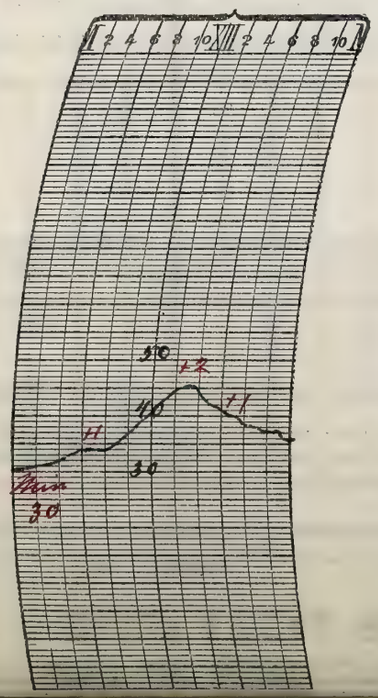
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Prepared by _____

Verified by C. M. McDonough

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) ....., (*Day of week*) ....., (*Date*) ....., 192

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	33	34	34	33	32	32	33	33	34	35	38	39
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							←		Cloudy			
Sunshine (in tenths of hours)							0	0	0.2	0	0	0
Wind direction	W	W	W	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	8	6	7	8	10	11	11	10	12	12	12	14
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	40 RB 12:40	41	41	40	40	41	41	39	39	39	39 NE DNP	37
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation	—	—	—	—	—	—	—	—	—	—	—	
Cloudiness and other conditions					Cloudy						→	
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	SW	SW	SW	SW	SW	SW	SW	NW	NW	NW	NW	NW
Wind movement	11	6	5	8	7	4	6	10	12	14	14	20
Maximum velocities (exceeding 29 miles) direction and time												

Sunrise: Time, 6:56; Character, Cloudy. Moonrise: 2:02 p.

Sunset: Time, 4:13; Character, Cloudy. Moonset: 3:01 a.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
41	32	36	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., .10 ins.

Total precipitation, midnight to midnight, .12 inches.

Character of day, Cloudy. Moon phase, ...

Average daily cloudiness (0-10), 10

Actual sunshine, hours, 0.2 Possible sunshine, hours, 2.3

Per cent of possible sunshine, 2

Prevailing wind direction, SW Total wind 238

Average hourly velocity, 9.9 Extreme velocity, 22

Maximum velocity, 25 Direction, W

Time began, 11:15 p. m.

Reduced barometer, 29.81 7 a. m. 29.51 7 p. m.

River gage, 4.1 Feet.

Relative humidity, 85 7 a. m. 85 7 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

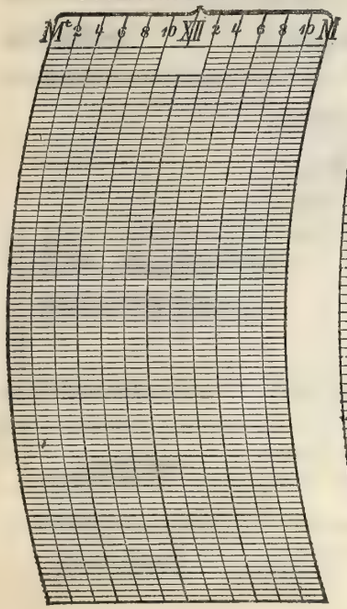
Dry temperature, 39.7 Wet temperature, 38.4

Dew-point, 37 R. humidity, 90 V. pressure, .212

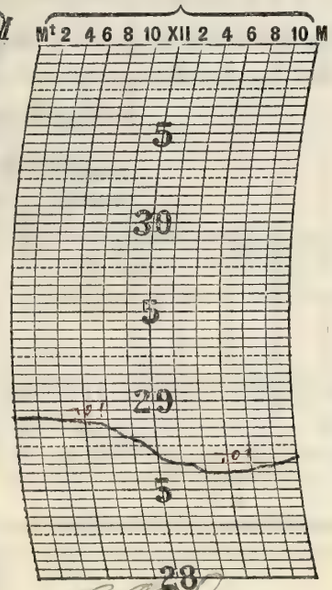
Clouds: Amount, 10; Kind, St; Direction, SW

Velocity of clouds (miles per hour) .....

THERMOGRAPH.



BAROGRAPH.



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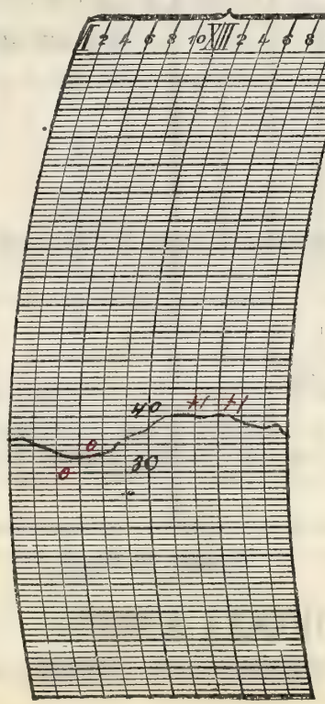


NOTES.

A Cloudy and gloomy day

Prepared by .....

Verified by C. M. Dunough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible], (Day of week) [illegible], (Date) [illegible], 192

Time (local standard). 90th mer. normal time.

A. M.	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	35	33	34	34	33	33	33	33	34	35	36	37
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Cloudy					
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	NW	NW	N	NW	NW	NW	NW	NW	NW	NW	NW	W
Wind movement	15	15	12	13	12	9	8	7	5	6	4	8

Sunrise: Time, 6:57 Character, Cloudy
Moonrise: 2:41 A.

P. M.	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	37	37	36	34	33	33	33	34	34	35	37	38
Nature of precipitation and time of beginning and ending			SMB 2:30				SME 6:20 SMB 6:52		SME 8:58 RB 8:58		RE DNP	
Amounts of precipitation			—	—	—	—	—	—	—	—	—	
Cloudiness and other conditions					Cloudy							
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	W	SW	SW	SW	SW	S	S	S	SW	SW	SW	W
Wind movement	11	11	9	9	9	11	12	10	12	12	12	16

Sunset: Time, 4:43 Character, Cloudy
Moonset: 4:23 A.

Maximum velocities (exceeding 25 miles) direction and time.

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

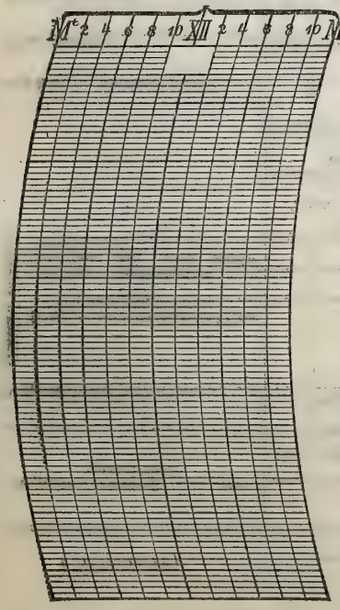
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
38	33	36	

Total depth of snow for 24 hours ending 7 p. m., 0.2 inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, 0.3 inches.
Precipitation to 7 a. m., .02 ins.; to 7 p. m., .02 ins.
Total precipitation, midnight to midnight, .03 inches.
Character of day, Cloudy Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 8.3
Per cent of possible sunshine, 0
Prevailing wind direction, NW Total wind 248
Average hourly velocity, 10.3 Extreme velocity, 25
Maximum velocity, 24 Direction, W
Time began, 11:48 p.m.
Reduced barometer, 29.96 7 a. m. 29.51 7 p. m.
River gage, 4.1 Feet
Relative humidity, 92 7 a. m. 95 7 p. m.

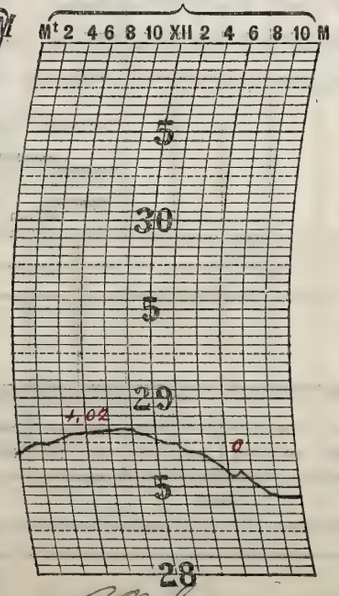
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 35.0 Wet temperature, 31.6
Dew-point, 26 R. humidity, 69 V. pressure, .136
Clouds: Amount, 10; Kind, St Cu.; Direction, W
Velocity of clouds (miles per hour)

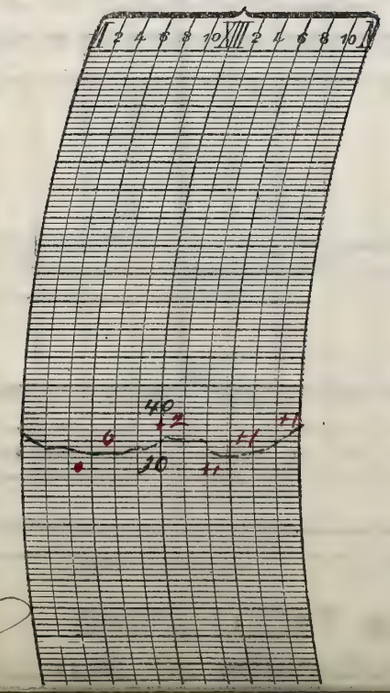
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Prepared by CCS

Verified by P. McDonough

NOTES.

A cloudy and cold day with a light moist snow falling during the greater portion of the afternoon and early evening hours which turned to rain in the night

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) _____, (Date) _____, 192

Time (local standard) 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	38	38	37	36	36	36	36	35	34	33	33	34
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							← Cloudy					
Sunrise: Time, Character,	6:58 Cloudy											
Moonrise:	3:27p											
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	NW	NW	NW	NW	NW	NW	NW	NW	N	NE	NE	NE
Wind movement	20	21	20	18	17	14	11	11	10	11	7	6
Maximum velocities (exceeding 28 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	35	37	37	36	36	35	35	34	34	33	33	33
State of weather: Nature of precipitation and time of beginning and ending						Snow 5:50						
Amounts of precipitation						—	—	—	—	—	—	—
Cloudiness and other conditions												
Sunset: Time, Character,									4:13 Cloudy			
Moonset:									5:06a			
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	N	N	W	W	W	S	SW	SW	SW	S	SE	SE
Wind movement	4	3	3	4	3	5	5	3	5	4	3	4
Maximum velocities (exceeding 28 miles) direction and time												

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
38	33	36	

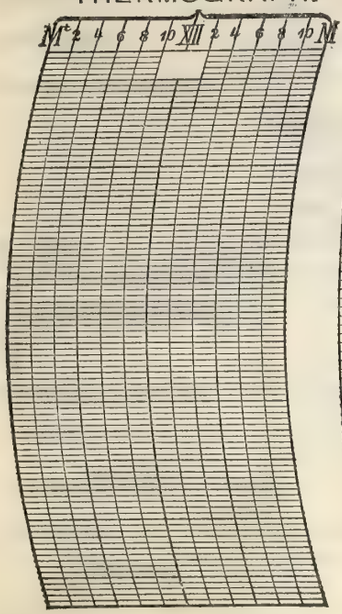
Total depth of snow for 24 hours ending 7 p. m. 0.1 inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, 0.1 inches.
Precipitation to 7 a. m., .06 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .06 inches.
Character of day, Cloudy Moon phase, _____
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 0
Prevailing wind direction, NW Total wind 212
Average hourly velocity, 8.8 Extreme velocity, 28
Maximum velocity, 26 Direction, NW
Time began, 1:57 a.m.
Reduced barometer, 29.45 7 a. m. 29.71 7 p. m.
River gage, 4.1 Feet
Relative humidity, 7 a. m. 87 7 p. m.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

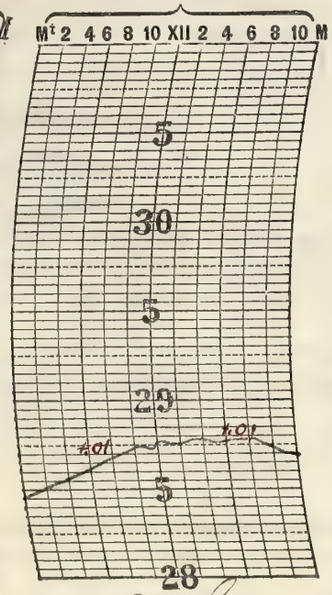
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 34.0 Wet temperature, 31.0
Dew-point, 27 R. humidity, 72 V. pressure, .143
Clouds: Amount, 10; Kind, St. Cu.; Direction, N.
Velocity of clouds (miles per hour) _____

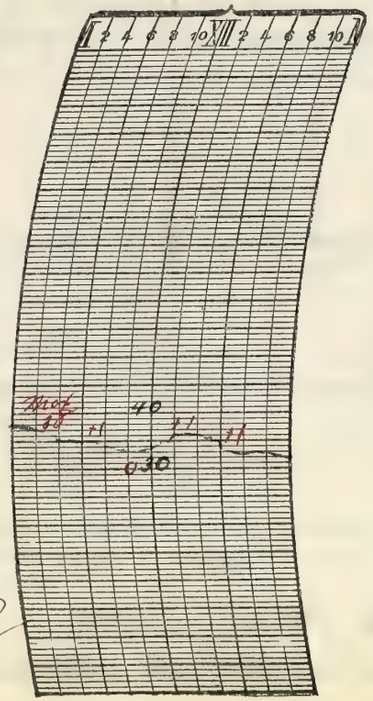
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Estimated

NOTES.

A cloudy and moderately cold day. Light and very moist snow began falling at dusk and continued throughout the night.

Prepared by C.O.S.
Verified by T. M. Conroy

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) _____, (Date) _____, 192

Time (local standard). 90" mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	33	33	33	33	33	33	32	31	30	30	30	30
State of weather: Nature of precipitation and time of beginning and ending											SNE 10:02	
Amounts of precipitation	—	—	—	—	—	—	—	—	—	—	—	
Cloudiness and other conditions							← Cloudy					
Sunrise: Time, 6:58 Character, Cloudy												
Moonrise: 4:20 p.												
Sunshine (in tenths of hours)							0	0	0	0	0	0
Wind direction	SE	SE	E	E	E	NE	NE	NE	N	N	NE	N
Wind movement	4	5	6	5	5	6	5	7	7	7	7	5
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	31	32	33	33	33	34	34	34	34	34	34	34
State of weather: Nature of precipitation and time of beginning and ending					NO 4:35	NE S 10:05 S 7:18 S 7:20 S 7:45 S 7:48 S 7:50	NE 6:20	NO 7:55	NE 8:45			
Amounts of precipitation					—	—	—	—	—			
Cloudiness and other conditions							Cloudy →					
Sunset: Time, 4:13 Character, Cloudy												
Moonset: 6:08 a.												
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	N	NN	NW	NW	W	W	W	W	W	W	W	W
Wind movement	4	4	5	4	6	6	4	5	5	7	7	8
Maximum velocities (exceeding 29 miles) direction and time												

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

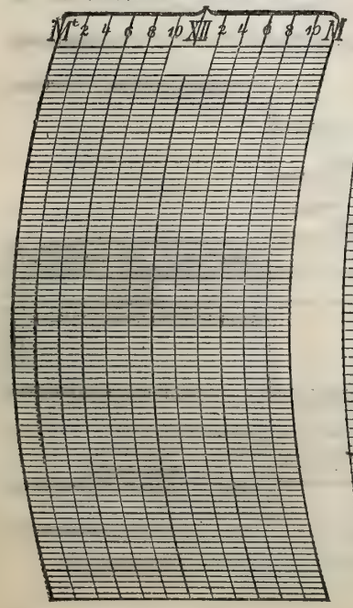
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
34	30	32	

Total depth of snow for 24 hours ending 7 p. m., 1.7 inches.
Snow, sleet, and hail on ground 7 p. m., 0.4 inches.
Total snowfall, midnight to midnight, 0.9 inches.
Precipitation to 7 a. m., 12 ins.; to 7 p. m., .02 ins.
Total precipitation, midnight to midnight, .08 inches.
Character of day, Cloudy Moon phase, Full 8:50 a.
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 0
Prevailing wind direction, W Total wind 134
Average hourly velocity, 5.6 Extreme velocity, 9
Maximum velocity, 9 Direction, W
Time began, 11:22 p.m.
Reduced barometer, 29.70 7 a. m. 30.11 7, p. m.
River gage, 4.2 Feet
Relative humidity, 98 7 a. m. 95 7 p. m.

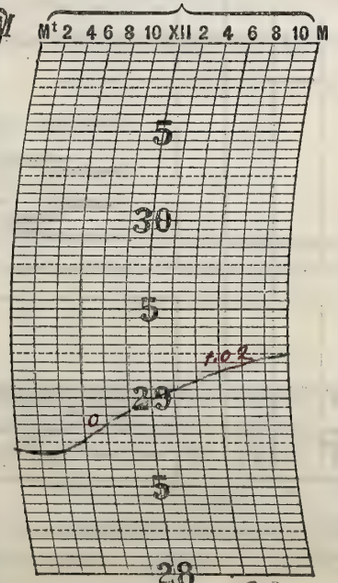
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 30.2 Wet temperature, 29.6
Dew-point, 29 R. humidity, 94 V. pressure, .157
Clouds: Amount, 10; Kind, St; Direction, N.
Velocity of clouds (miles per hour)

THERMOGRAPH.



BAROGRAPH.



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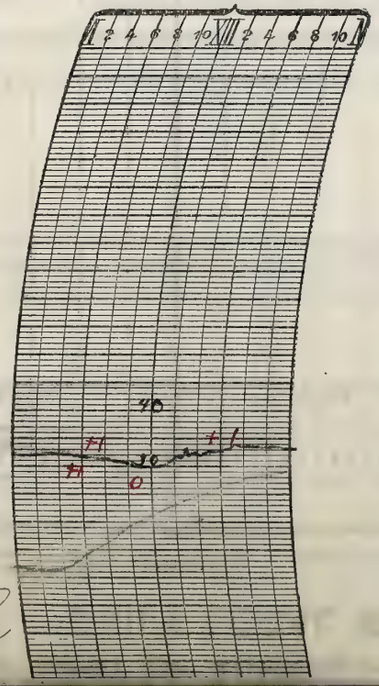


Prepared by C. C. S.
Verified by P. McDonough

ϕ Estimated.

NOTES.

A cloudy and cold day with intermittent falls of rain and snow.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) ....., *(Day of week)* ....., *(Date)* ....., *192*

Time (local standard). 90th mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	33	33	33	33	33	33	34	34	35	36	39	42	44	43	42	42	41	41	40	40	40	40	40	40
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							← Cloudy								Cloudy									→
Sunrise: Time, Character,	6:59 Cloudy																							
Moonrise:	5:19p																							
Sunset: Time, Character,																					4:14 Cloudy			
Moonset:																					7:09a			
Sunshine (in tenths of hours)							0	0	0	0	0	0.4	0.9	0.6	0	0	0							
Wind direction	W	W	W	SW	SW	SW	SW	SW	SW	SW	SW	SW	S	S	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
Wind movement	5	5	5	6	6	5	5	5	5	5	5	7	8	7	5	5	5	5	7	4	6	9	10	9
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
44	33	38	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Cloudy Moon phase,

Average daily cloudiness (0-10), 9

Actual sunshine, hours, 1.9 Possible sunshine, hours, 9.2

Per cent of possible sunshine, 21

Prevailing wind direction, SE Total wind 144

Average hourly velocity, 6.0 Extreme velocity, 12

Maximum velocity, 12 Direction, S

Time began, 10:40 p.m.

Reduced barometer, 30.35 7 a. m. 30.38 7 p. m.

River gage, 5.15 ft

Relative humidity, 88 7 a. m. 82 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

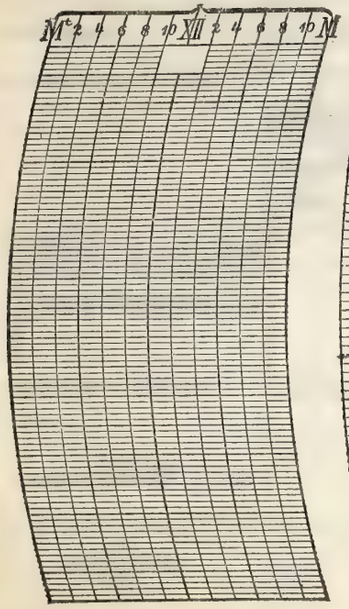
Dry temperature, 41.3 Wet temperature, 35.8

Dew-point, 28 R. humidity, 58 V. pressure, .150

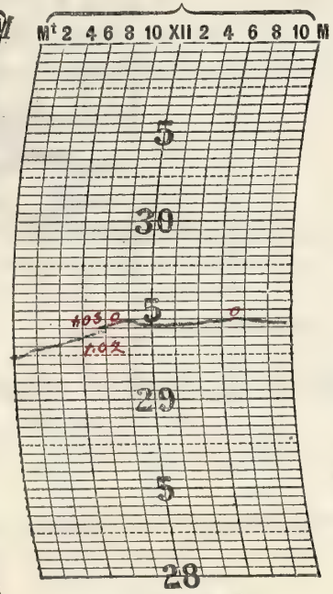
Clouds: Amount, 8; Kind, A.Cu.; Direction, N.W.

Velocity of clouds (miles per hour)

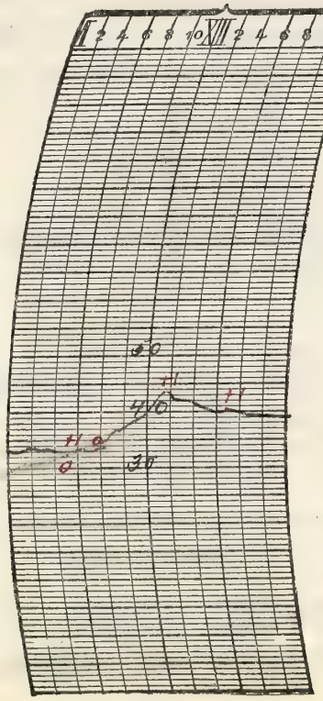
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A Cloudy day with moderate temperature

Prepared by C W S

Verified by C M Donovan

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) ....., (*Day of week*) ....., (*Date*) ....., 192

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	39	38	37	37	37	37	38	39	40	43	44	46
State of weather: Nature of precipitation and time of beginning and ending								RB 7:20 RE 7:29			RB 10:28	RE 11:13
Amounts of precipitation								—			—	—
Cloudiness and other conditions							←	Cloudy				

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	48	49	49	49	50	49	48	48	49	50	50	50
State of weather: Nature of precipitation and time of beginning and ending	RB 12:11 RE 12:30		RB 2:08						RE 8:30			
Amounts of precipitation	—		—	—	—	—	—	—	—			
Cloudiness and other conditions				Cloudy								→

Sunrise: Time, 7:00 Character, Cloudy

Moonrise: 6:24 P.M.

Sunset: Time, 4:14 Character, Cloudy

Moonset: 8:04 P.M.

	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours) 1								0	0	0	0	0
Wind direction	SE	SE	SE	SE	SE	SE	SE	SE	S	S	S	S
Wind movement	10	10	9	10	8	11	13	12	13	16	16	16
Maximum velocities (exceeding 20 miles) direction and time												

	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	S	SW	SW	SW	SW	SW	S	S	S	SW	SW	SW
Wind movement	18	22	20	20	19	19	20	19	21	23	27	27
Maximum velocities (exceeding 20 miles) direction and time											32 S 10:45	31 SW 11:20

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
50	37	44	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., .04 ins.

Total precipitation, midnight to midnight, .04 inches.

Character of day, Cloudy Moon phase, ...

Average daily cloudiness (0-10), 10

Actual sunshine, hours, 0 Possible sunshine, hours, 9.2

Per cent of possible sunshine, 0

Prevailing wind direction, SE, S, + SW Total wind 460

Average hourly velocity, 16.7 Extreme velocity, 33

Maximum velocity, 32 Direction, S

Time began, 10:45 p.m.

Reduced barometer, 30.12 7 a. m. 29.96 7 p. m.

River gage, 3.2 Feet

Relative humidity, 72 7 a. m. 85 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

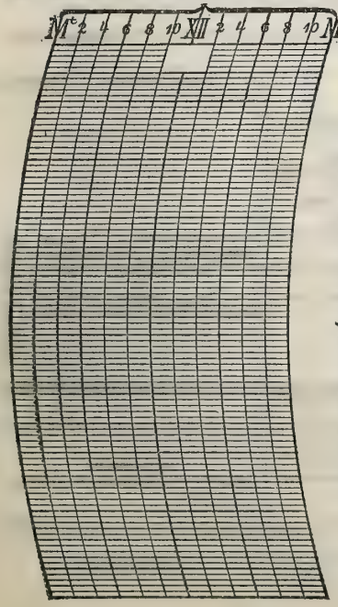
Dry temperature, 46.0 Wet temperature, 41.0

Dew-point, 35 R. humidity, 65 V. pressure, .203

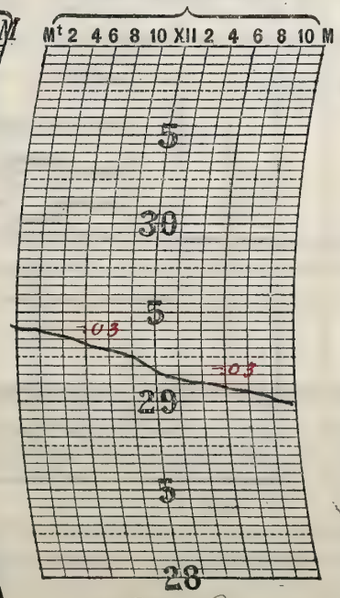
Clouds: Amount, 10; Kind, Ast; Direction, SW.

Velocity of clouds (miles per hour) .....

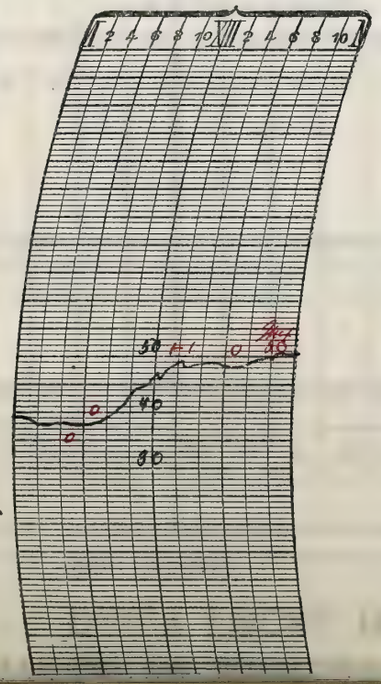
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Prepared by C.C.S.

Verified by A. McDonough

NOTES.

A cloudy and cold day with intermittent showers of snow

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) Wednesday, (Date) _____, 192

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	50	50	51	51	52	53	54	52	52	52	52	52
State of weather: Nature of precipitation and time of beginning and ending				RB DNA								
Amounts of precipitation				—	—	—	—	—	—	—	—	—
Cloudiness and other conditions							← Cloudy					
Sunrise: Time, 7:01 Character, Cloudy												
Moonrise: 7:33p												
Sunshine (in tenths of hours)								0	0	0	0	0
Wind direction	SW	SW	SW	SW	S	S	S	SW	SW	S	S	S
Wind movement	26	23	22	22	23	24	26	23	19	18	18	18
Maximum velocities (exceeding 22 miles) direction and time	30 S 12:55						30 S 6:35	30 S 7:15				

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	52	52	51	45	41	37	36	32	29	26	25	24
State of weather: Nature of precipitation and time of beginning and ending						RE 6:00			RB 8:45			
Amounts of precipitation	—	—	—	—	—	—			—	—	—	—
Cloudiness and other conditions				← Cloudy								→
Sunset: Time, 4:14 Character, Cloudy												
Moonset: 8:54a												
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	S	S	SE	W	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	13	11	11	14	19	29	32	33	33	34	35	35
Maximum velocities (exceeding 22 miles) direction and time						38 SW 5:51	42 SW 6:32	38 SW 2:03	37 SW 9:29	40 SW 9:02	41 SW 10:16	41 SW 11:06

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
54	24	39	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0.5 inches.
Precipitation to 7 a. m., .02 ins.; to 7 p. m., .40 ins.
Total precipitation, midnight to midnight, .45 inches.
Character of day, Cloudy Moon phase, _____
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 0
Prevailing wind direction, SW Total wind 561
Average hourly velocity, 23.4 Extreme velocity, 48
Maximum velocity, 42 Direction, SW
Time began, 6:32pm
Reduced barometer, 29.90 7 a. m. 29.52 7, p. m.
River gage, 5.3 Fe
Relative humidity, 81 7 a. m. 91 7 p. m.

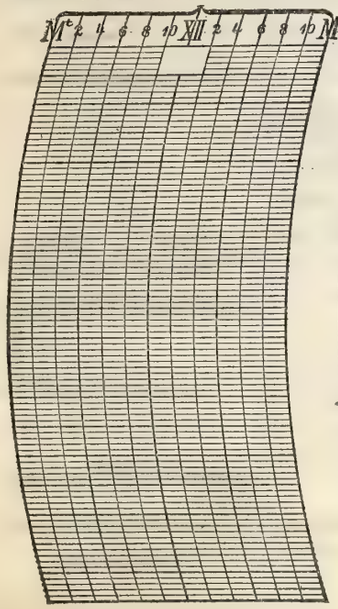
Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

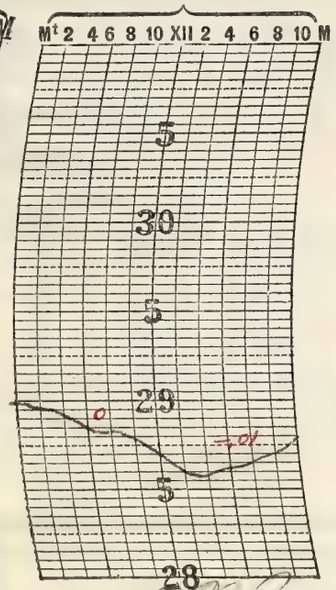
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 53.5 Wet temperature, 52.0
Dew-point, 50 R. humidity, 91 V. pressure, 360
Clouds: Amount, 10; Kind, Nb; Direction, S
Velocity of clouds (miles per hour) _____

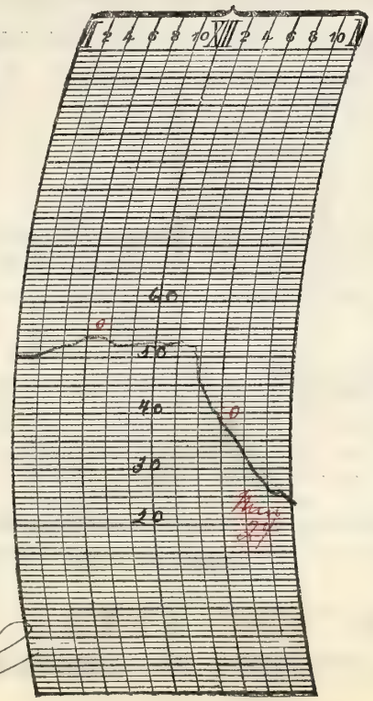
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



*Estimated

NOTES.

A cloudy and rainy day with mild temperature which commenced falling in the late afternoon and accompanied by high westerly winds which brought in a driving cold rain in the early night that lasted until the early morning of the 18th and drifted considerably, however the wind continued with high speed until near dawn of the 18th.

Prepared by _____
Verified by P. M. Hornough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) ....., (*Day of week*) ....., (*Date*) ....., 192

Time (local standard). 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	23	23	23	21	18	17	18	20	21	25	28	30
State of weather. Nature of precipitation and time of beginning and ending					S of E DNA							
Amounts of precipitation	—	—	—	—	—							
Cloudiness and other conditions							←		Clear			
Sunrise: Time, Character,	12:01 Clear											
Moonrise:	8:43p											
Sunshine (in tenths of hours)								.98 0	0.1 0.9	1.0	1.0	1.0
Wind direction	SW	SW	SW	W	W	W	SW	SW	SW	SW	SW	SW
Wind movement	31	31	26	21	22	20	18	22	23	21	22	27
Maximum velocities (exceeding 22 miles) direction and time	33 SW 12:17	35 SW 1:08	33 SW 2:03	3 W 3:29								

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	32	33	32	32	31	30	30	31	30	30	28	28
Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	×Pl	Cloudy	←		Cloudy							
Sunset: Time, Character,									4:15 Cloudy			
Moonset:									9:38a			
Sunshine (in tenths of hours)	1.0	1.0	0	0	0							
Wind direction	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	W	W
Wind movement	20	16	16	14	11	7	7	7	8	7	5	5
Maximum velocities (exceeding 22 miles) direction and time												

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
33	17	25	

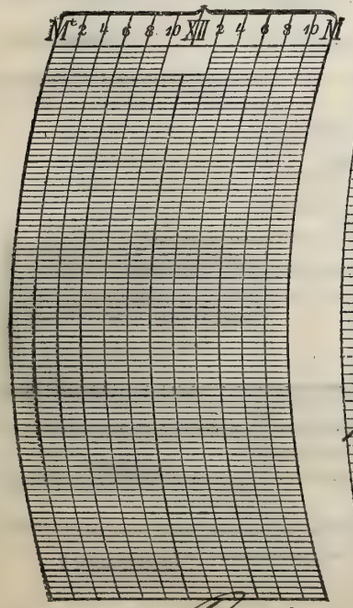
Total depth of snow for 24 hours ending 7 p. m., 1.4 inches.
Snow, sleet, and hail on ground 7 p. m., 1.0 inches.
Total snowfall, midnight to midnight, 10.9 inches.
Precipitation to 7 a. m., .09 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, .06 inches.
Character of day, Clear Moon phase, ...
Average daily cloudiness (0-10), 3
Actual sunshine, hours, 7.0 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 76
Prevailing wind direction, SW Total wind 406
Average hourly velocity, 16.9 Extreme velocity, 42
Maximum velocity, 38 Direction, SW.
Time began, 12:17 a.m.
Reduced barometer, 30.04 7 a. m. 30.30 7, p. m.
River gage, 9.8 Feet.
Relative humidity, 65 7 a. m. 78 7 p. m.

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

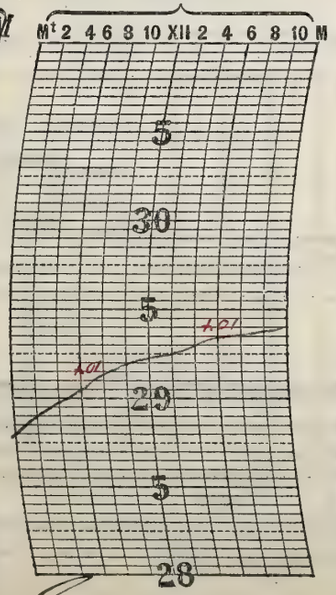
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 28.3 Wet temperature, 24.8
Dew-point, 18 R. humidity 60 V. pressure, 093
Clouds: Amount, 1; Kind, Cu; Direction, NW.
Velocity of clouds (miles per hour) .....

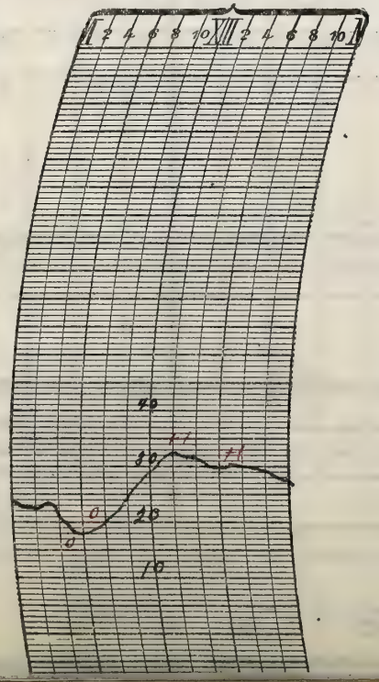
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

The dry snow which commenced on the night of the 17th ended 10 A. M. and the high winds abated shortly before dawn this morning, having caused slight damage to trees, telephone, and electric wires.

A clear and very cold day.

Prepared by C. O. S.

Verified by P. McDonough

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Monday, (Date) Dec 7, 192

Time (local standard) 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	27	26	27	27	27	27	26	27	27	29	31	32
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Pl Cldy		Cloudy		Pl Cldy	
Sunshine (in tenths of hours)								0	0	0	0.2	0.8
Wind direction	W	SW	W	SW	SW	SW	SW	E	E	SE	E	E
Wind movement	4	3	3	2	1	2	3	2	5	7	8	9

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	33	34	34	34	32	32	31	31	31	30	28	27
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions			Pl Cldy			Clear						
Sunshine (in tenths of hours)	1.0	0.5	0.4 / 0.6	1.0 / 0	.25 / 0							
Wind direction	E	SE	E	E	E	E	E	E	E	E	E	E
Wind movement	8	7	9	9	8	8	7	7	6	6	4	5

Sunrise: Time, 7:02 Character, Cloudy

Moonrise: 9:53p.

Sunset: Time, 4:15 Character, Clear

Moonset: 10:18a.

Maximum velocities (exceeding 29 miles) direction and time

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
34	25	30	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0.7 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.

Total precipitation, midnight to midnight, 0 inches.

Character of day, Pl. Cloudy Moon phase,

Average daily cloudiness (0-10), 5

Actual sunshine, hours, 4.8 Possible sunshine, hours, 9.2

Per cent of possible sunshine, 52

Prevailing wind direction, E Total wind 193

Average hourly velocity, 5.5 Extreme velocity, 12

Maximum velocity, 12 Direction, E

Time began, 8:15 p.m.

Reduced barometer, 30.43 7 a. m. 30.38 7 p. m.

River gage, 11.3 Feet

Relative humidity, 75 7 a. m. 72 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

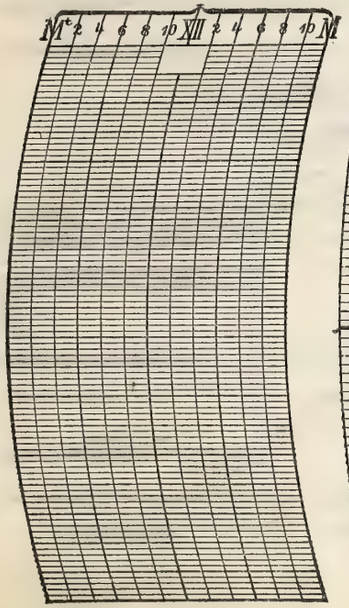
Dry temperature, 32.8 Wet temperature, 29.3

Dew-point, 24 R. humidity, 66 V. pressure, .124

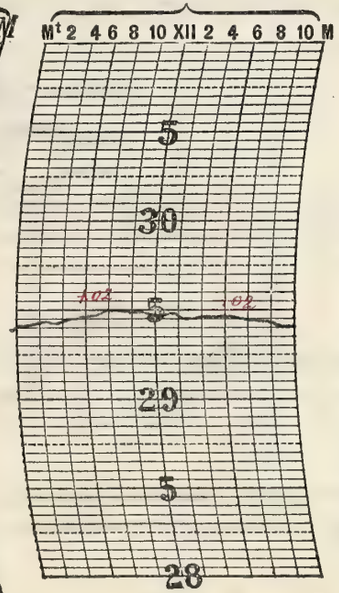
Clouds: Amount, 5; Kind, AST; Direction, NW

Velocity of clouds (miles per hour)

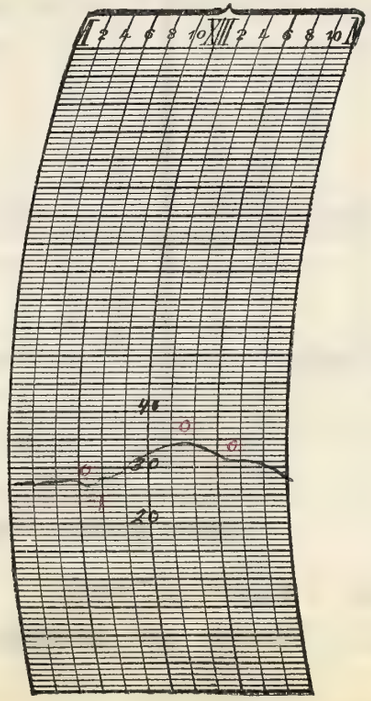
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A snappy cloudy and cold day

Prepared by C.A.S.

Verified by C. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) ....., (*Day of week*) ....., (*Date*) ....., 192

Time (local standard). 90° mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	25	25	24	24	25	25	27	31	32	35	35	36
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Clear	Cloudy				
Sunshine (in tenths of hours)								0	0	0	0	0
Wind direction	E	E	E	E	E	SE	SE	SE	S	N	SW	SW
Wind movement	5	5	5	4	3	3	2	5	3	2	3	6
Maximum velocities (exceeding 20 miles) direction and time												

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	38	39	38	38	37	37	37	35	35	34	34	33
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions			Cloudy									
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	SW	SW	W	W	W	W	W	NW	NW	NW	NW	NW
Wind movement	6	8	8	7	6	6	6	6	8	8	10	8
Maximum velocities (exceeding 20 miles) direction and time												

Sunrise: Time, 7:02 Character, Cloudy
Moonrise: 11:02 p

Sunset: Time, 4:45 Character, Cloudy
Moonset: 10:55 a

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
39	24	32	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0.4 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase, ...
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 0
Prevailing wind direction, E, W, & NW Total wind 133
Average hourly velocity, 5.5 Extreme velocity, 14
Maximum velocity, 13 Direction, NW
Time began, 10:17 a.m.
Reduced barometer, 30.25 7 a. m. 30.20 7 p. m.
River gage, 9.7 Feet
Relative humidity, 93 7 a. m. 80 7 p. m.

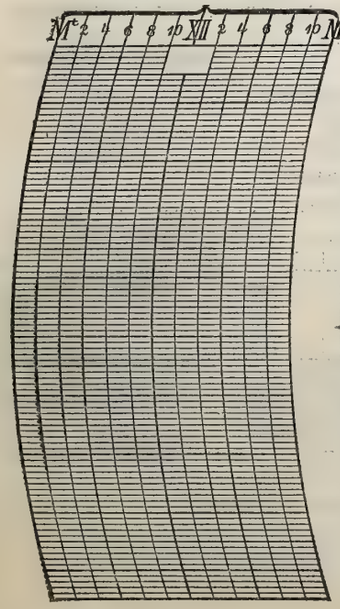
Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

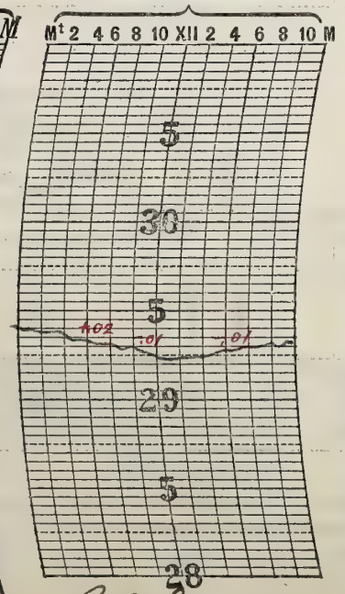
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 36.2 Wet temperature, 34.0
Dew-point, 31 R. humidity, 81 V. pressure, .172
Clouds: Amount, 10; Kind, Ast; Direction, NW
Velocity of clouds (miles per hour) .....

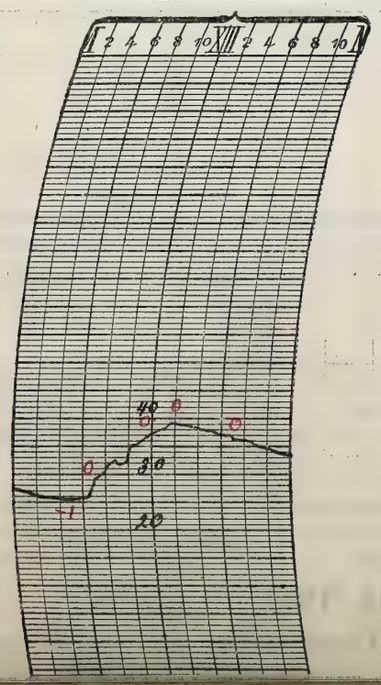
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Sl. Snow began 10 A. a.
Sl. Snow ended 9:10 a.m.
Special 1:00 p.m. (75th Meridian Time) observation called for by the Central Office.

Prepared by C. McDonough

Verified by .....

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) ....., (*Day of week*) ....., (*Date*) ....., 192

Time (local standard) 90° mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	33	32	32	31	31	30	29	25	23	22	22	20
Nature of precipitation and time of beginning and ending									S 8:16			
Amounts of precipitation												
Cloudiness and other conditions							← Cloudy					
Sunrise: Time, 7:03 Character, Cloudy												
Moonrise: —												
Sunshine (in tenths of hours)								0	0	0	0	0
Wind direction	NW	N	NW	NW	NW	NW	NW	N	N	N	N	N
Wind movement	9	6	9	10	11	13	15	15	14	13	13	14

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	20	19	19	19	18	18	18	18	17	17	16	16
Nature of precipitation and time of beginning and ending		S & E 1:50										
Amounts of precipitation												
Cloudiness and other conditions	Cloudy		→ Pt. Cloudy →				Cloudy					
Sunset: Time, 4:16 Character, Cloudy												
Moonset: 11:29 a												
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	N	N	N	N	N	NE	NE	E	E	E	E	E
Wind movement	11	10	9	8	9	13	10	9	9	8	9	9

State of weather.

Maximum velocities (exceeding 29 miles) direction and time

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
33	16	24.1	

Total depth of snow for 24 hours ending 7 p. m., T inches.

Snow, sleet, and hail on ground 7 p. m., 0.2 inches.

Total snowfall, midnight to midnight, T inches.

Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Cloudy Moon phase, L. Q. 1:54 p.

Average daily cloudiness (0-10), 9

Actual sunshine, hours, 0 Possible sunshine, hours, 9.2

Per cent of possible sunshine, 0

Prevailing wind direction, N. Total wind 256

Average hourly velocity, 10.7 Extreme velocity, 23

Maximum velocity, 20 Direction, N

Time began, 7:02 a.m.

Reduced barometer, 30.20 7 a. m. 30.15 7, p. m.

River gage, 9.0 Feet.

Relative humidity, 84 7 a. m. 56 7 p. m.

	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

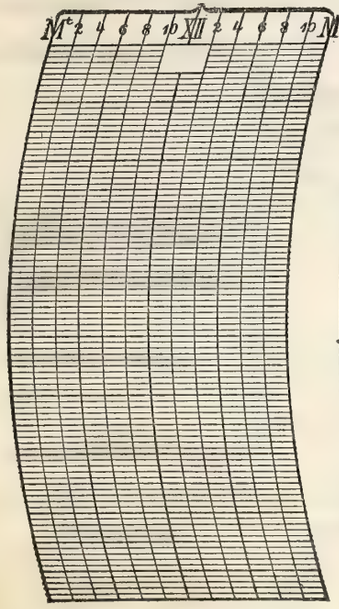
Dry temperature, 21.4 Wet temperature, 19.6

Dew-point, 15 R. humidity, 74 V. pressure, .081

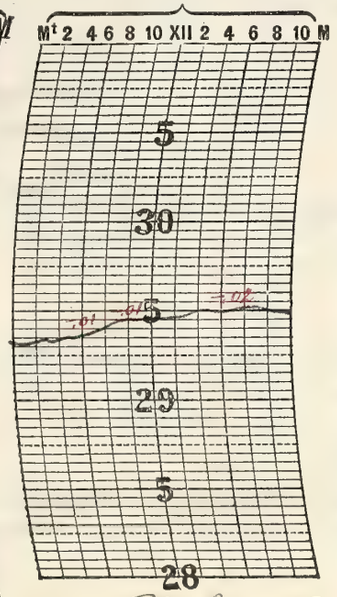
Clouds: Amount, 10; Kind, Nb; Direction, N.

Velocity of clouds (miles per hour)

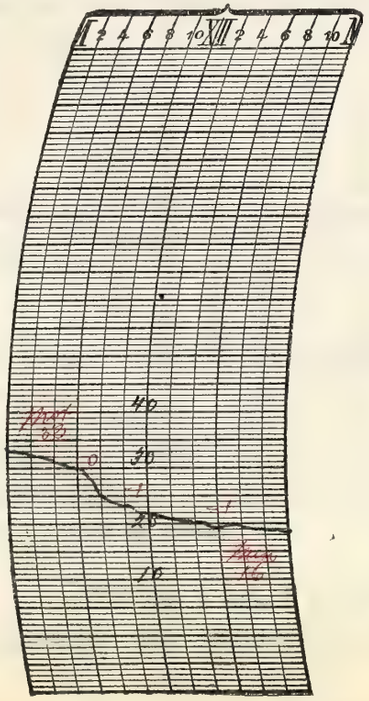
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Suspended 12^00 Noon (75th Meridian Time) observation called for by the Central Office.

A cloudy and cold raw day with moderate northerly winds.

Prepared by C.O.S.

Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) _____, (*Day of week*) _____, (*Date*) _____, 192

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	16	16	16	15	16	16	17	18	19	20	21	23
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							← Pt. Cloudy			× Cloudy		
Sunshine (in tenths of hours)								0	0	0	0	0
Wind direction	E	E	E	E	E	E	E	SE	SE	SE	SE	SE
Wind movement	10	10	11	10	8	10	9	8	11	9	8	7

Sunrise: Time, 7:03 Character, Cloudy
Moonrise: 11:09 a

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	24	25	25	26	26 RB 4:45	26	26	26	26	27	28 PE 10:30	30
State of weather. Nature of precipitation and time of beginning and ending					—	—	—	—	—	—	—	
Amounts of precipitation												
Cloudiness and other conditions												
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
Wind movement	8	7	9	7	6	8	6	6	5	5	5	3

Sunset: Time, 4:16 Character, Cloudy
Moonset: 12:04 p

Maximum velocities (exceeding 22 miles) direction and time.

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

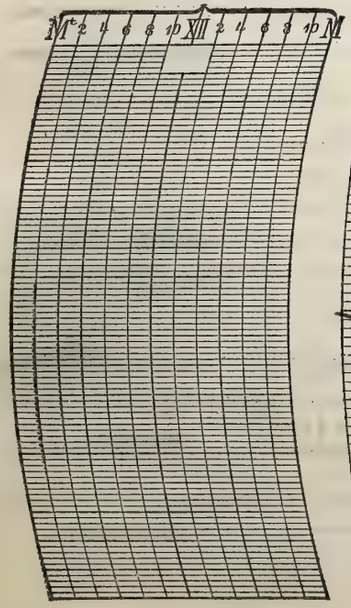
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
30	15	22	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, .01 inches.
Character of day, Cloudy Moon phase, _____
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 0 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 0
Prevailing wind direction, SE Total wind 186
Average hourly velocity, 7.8 Extreme velocity, 13
Maximum velocity, 13 Direction, E
Time began, 2:19 a.m.
Reduced barometer, 30.32 7 a. m. 29.98 7 p. m.
River gage, 8.8 Feet
Relative humidity, 79 7 a. m. 78 7 p. m.

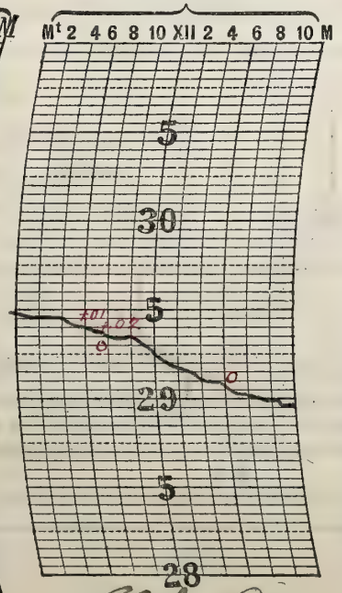
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 24.0 Wet temperature, 20.0
Dew-point, 9 R. humidity, 49 V. pressure, .060
Clouds: Amount, 8; Kind, AST; Direction, NW
Velocity of clouds (miles per hour) _____

THERMOGRAPH.



BAROGRAPH.



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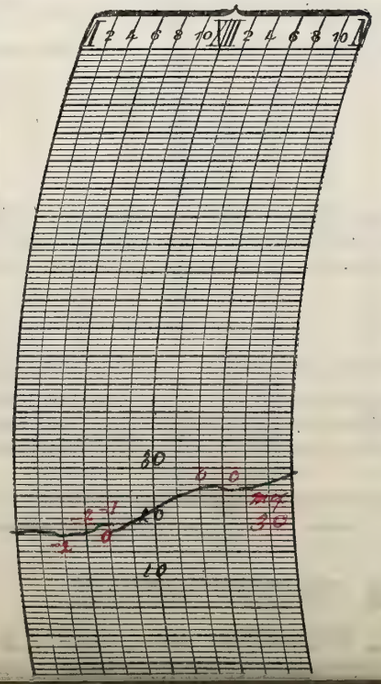


NOTES.

The rain which commenced in the late afternoon froze as it struck the ground; streets and sidewalks had a thin coating of ice on them and were very slippery from about 5:30 p.m.

Shore ice observed this morning.

A cloudy and cold day.

Prepared by COS

Verified by C. McAdoo

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) ....., (Day of week) ....., (Date) ....., 192

Time (local standard). 90th mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	31	31	31	32	32	31	31	31	32	33	32	32	32	32	32	32	32	32	32	32	32	32	31	30
																	RB 4:35							DE 11:41
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																	—	—	—	—	—	—	—	—
Cloudiness and other conditions							← Cloudy									Cloudy								→
	Sunrise: Time, 7:04; Character, Cloudy. Moonrise: 1:16 a.																				Sunset: Time, 4:17; Character, Cloudy. Moonset: 12:40 p.			
Sunshine (in tenths of hours)								0	0	0	0	0	0	0	0	0	0							
Wind direction	S	SW	SW	W	W	NW	NW	NW	NW	W	SW	W	SW	NW	N	NE	NE	N	NE	NE	NE	NE	NE	NE
Wind movement	4	5	6	10	11	8	5	3	3	5	5	4	5	4	3	6	5	6	7	8	9	11	13	14
Maximum velocities (exceeding 29 miles) direction and time																								

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
33	30	32	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.

Snow, sleet, and hail on ground 7 p. m., 0 inches.

Total snowfall, midnight to midnight, 0 inches.

Precipitation to 7 a. m., .01 ins.; to 7 p. m., .10 ins.

Total precipitation, midnight to midnight, .14 inches.

Character of day, Cloudy. Moon phase, ...

Average daily cloudiness (0-10), 10

Actual sunshine, hours, 0 Possible sunshine, hours, 9.2

Per cent of possible sunshine, 0

Prevailing wind direction, NE Total wind 160

Average hourly velocity, 6.7 Extreme velocity, 18

Maximum velocity, 16 Direction, NE

Time began, 11:08 p.m.

Reduced barometer, 29.92 7 a. m. 29.94 7 p. m.

River gage, 8.1 Feet

Relative humidity, 89 7 a. m. 94 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

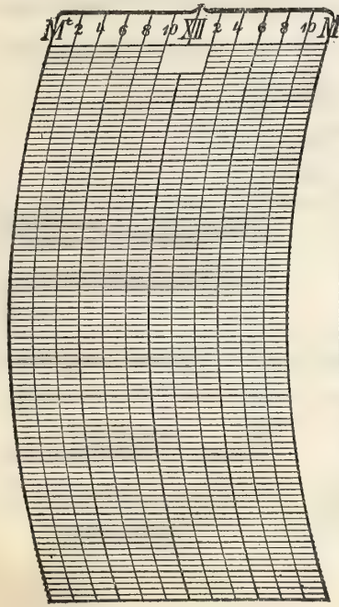
Dry temperature, 32.1 Wet temperature, 31.2

Dew-point, 30 R. humidity, 91 V. pressure, 16.4

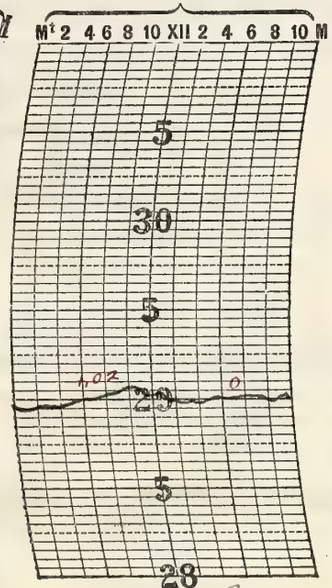
Clouds: Amount, 10; Kind, St; Direction, W

Velocity of clouds (miles per hour)

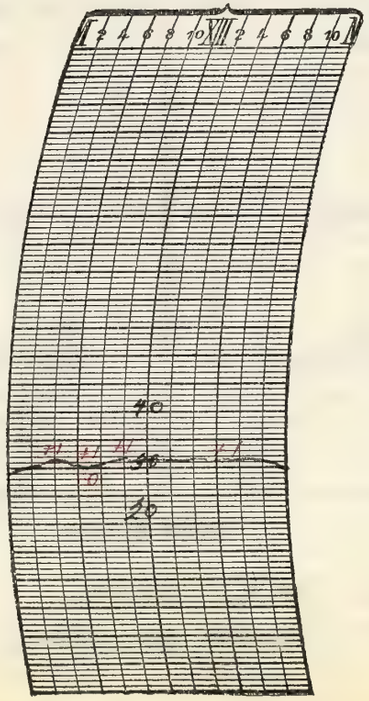
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Prepared by C.A.S.

Verified by C.M.Downey

8—486

NOTES.

Ø Estimated.

Shore ice and light floating ice observed this morning. A cloudy and cold day. The streets and sidewalks dangerously ice-coated until about 1:00 p.m. The rain of the late afternoon and evening caused the streets and sidewalks to be muddy and slippery at midnight.

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, (Day of week) _____, (Date) _____, 192

Time (local standard) 90° mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	29	28	27	26	25	25	25	24	23	22	23	23
State of weather: Nature of precipitation and time of beginning and ending		RB+		E DNA					SB 8:51			
Amounts of precipitation		—	—	—	—				—	—	—	—
Cloudiness and other conditions							← Cloudy					
Sunrise: Time, Character,	7:04 Cloudy											
Moonrise:	2:21a											
Sunshine (in tenths of hours)								0	0	0	0	0
Wind direction	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE	NE
Wind movement	13	13	14	14	13	13	13	14	10	10	11	10

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	22	22	22	22	21	21	20	20	19	18	16	15
State of weather: Nature of precipitation and time of beginning and ending	SNE 12:46				SB 4:43			SNE 7:35			SB 10:50	
Amounts of precipitation					—	—	—	—			—	—
Cloudiness and other conditions							Cloudy →					
Sunset: Time, Character,									4:18 Cloudy			
Moonset:									11:16p			
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	N	NE	NE	NE	N	N	N	N	N	N	N	N
Wind movement	10	10	9	7	7	8	7	7	6	7	6	6

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
30	15	22	

Total depth of snow for 24 hours ending 7 p. m., 0.4 inches.
Snow, sleet, and hail on ground 7 p. m., 0.4 inches.
Total snowfall, midnight to midnight, 0.4 inches.
Precipitation to 7 a. m., .16 ins.; to 7 p. m., 0.3 ins.
Total precipitation, midnight to midnight, .15 inches.
Character of day, Cloudy Moon phase, _____
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 0
Prevailing wind direction, NE Total wind 238
Average hourly velocity, 9.9 Extreme velocity, 17
Maximum velocity, 16 Direction, NE
Time began, 3:17 a.m.
Reduced barometer, 30.07 7 a. m. 30.36 7 p. m.
River gage, 6.7 Feet.
Relative humidity, 82 7 a. m. 85 7 p. m.

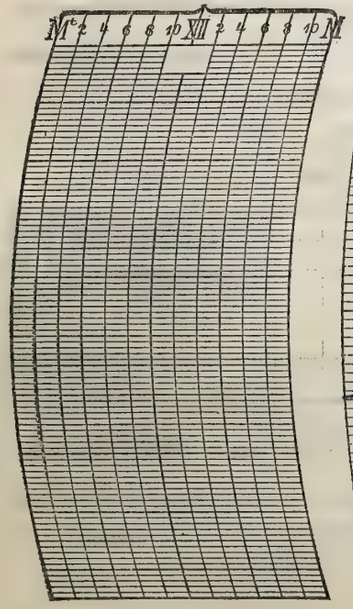
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

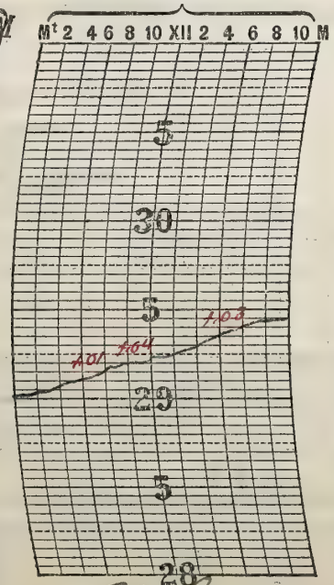
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 23.9 Wet temperature, 23.0
Dew-point, 21 R. humidity, 88 V. pressure, .108
Clouds: Amount, 10; Kind, Nb.; Direction, NE
Velocity of clouds (miles per hour)

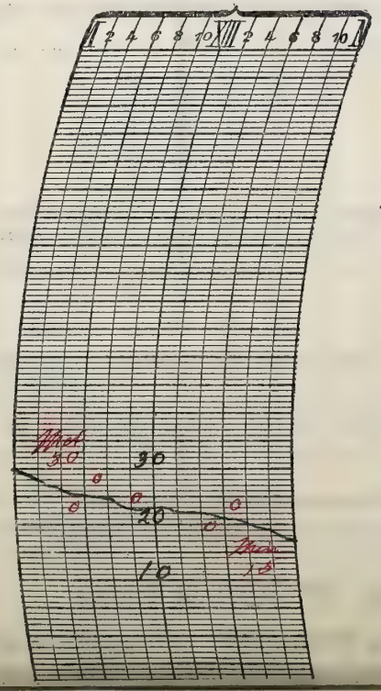
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



Prepared by CCS

Verified by C. McDonough

NOTES.

Light shore ice observed at this morning.

The train of the early morning freeze as it still covering trees, walks, streets, and wires with ice to a thickness of about 1/8 of an inch making walking very dangerous.

A cold wave warning was received in the regular area forecast at 9:31 am. It was posted on all bulletins and phoned to long distance operators.

Special 12:00 Noon (75th Meridian Time) observation called for by the Central Office.

A cloudy and cold day with occasional flurries of snow.

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) [illegible], Ind, (Day of week) Sunday, (Date) [illegible], 192

Time (local standard). 90° mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	15	15	16	14	13	13	12	12	15	18	20	22
State of weather: Nature of precipitation and time of beginning and ending					SNE DNA							
Amounts of precipitation	—	—	—	—	—							
Cloudiness and other conditions	← Cloudy						Clear				Pl. Cloudy	
Sunrise: Time, Character,	7:05 Cloudy											
Moonrise:	3:24 a											
Sunshine (in tenths of hours)								0	0	0.9	1.0	1.0
Wind direction	N	N	N	N	N	N	N	N	N	E	E	NE
Wind movement	5	4	4	4	3	3	4	3	3	4	6	4

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	22	22	23	24	24	23	24	24	24	23	22	22
State of weather: Nature of precipitation and time of beginning and ending	SPA 12:45	SPE 2:00										
Amounts of precipitation												
Cloudiness and other conditions			Cloudy									
Sunset: Time, Character,									4:18 Cloudy			
Moonset:									1:37 p			
Sunshine (in tenths of hours)	0.3	0	0	0	0							
Wind direction	E	E	SE	S	S	S	S	S	S	S	S	S
Wind movement	3	3	3	5	5	6	5	5	7	7	6	5

Maximum velocities (exceeding 29 miles) direction and time.

Excessive precipitation, accumulated amounts

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

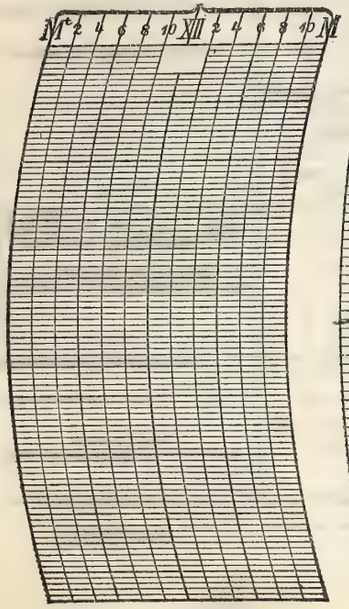
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
24	12	18	

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., 0.4 inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Pl Cloudy Moon phase,
Average daily cloudiness (0–10), 5
Actual sunshine, hours, 3.2 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 35
Prevailing wind direction, N.E. S. Total wind 107
Average hourly velocity, 4.5 Extreme velocity, 9
Maximum velocity, 9 Direction, S
Time began, 8:54 p.m.
Reduced barometer, 30.52 7 a. m. 30.47 7, p. m.
River gage, 6.5 Feet.
Relative humidity, 72 7 a. m. 87 7 p. m.

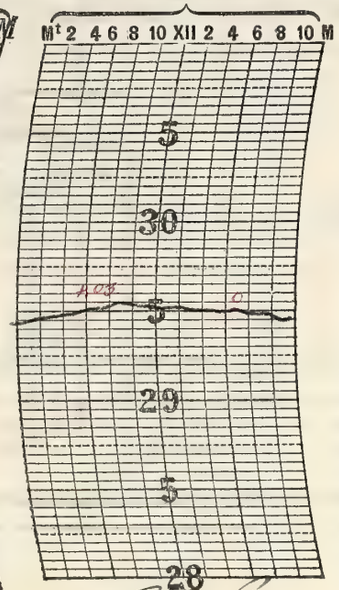
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 22.0 Wet temperature, 20.0
Dew-point, 15 R. humidity, 72 V. pressure, 081
Clouds: Amount, 4; Kind, Cst; Direction, NW.
Velocity of clouds (miles per hour)

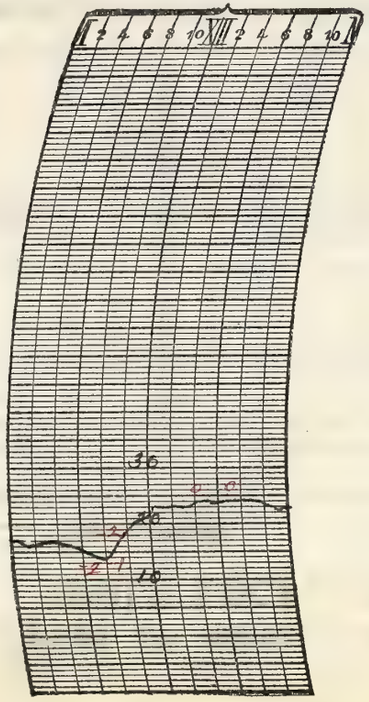
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A healthy cloudy day which opened cold and cloudy, gradually getting warmer and the sky becoming completely overcast by the middle of the afternoon.

Prepared by C. E. S.
Verified by C. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) ....., (*Day of week*) ....., (*Date*) ....., 192

Time (local standard). 90° mer. normal time.

	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	23	24	25	25	25	26	27	27	27	28	29	30	30	31	31	31	31	30	29	29	28	28	28	27
State of weather: Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							←		Cloudy								Cloudy						→	
Sunshine (in tenths of hours)								0	0	0	0	0	0	0	0	0	0							
Wind direction	S	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	W	W	W	W
Wind movement	6	8	10	8	9	10	9	9	10	9	11	10	12	9	11	9	9	8	7	8	9	7	9	9
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 7:05 Character, Cloudy
Moonrise: 4:25a

Sunset: Time, 4:12 Character, Cloudy
Moonset: 2:40p

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

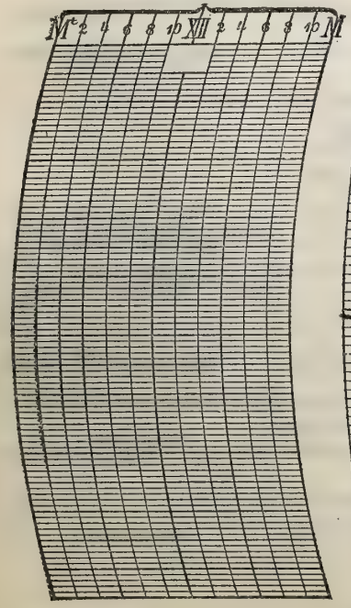
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
31	22	26	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0.3 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Cloudy Moon phase, ...
Average daily cloudiness (0-10), 10
Actual sunshine, hours, ... Possible sunshine, hours, 9.2
Per cent of possible sunshine, 0
Prevailing wind direction, SW Total wind 216
Average hourly velocity, 9.0 Extreme velocity, 14
Maximum velocity, 14 Direction, SW
Time began, 12:02 pm
Reduced barometer, 30.35 7 a. m. 30.27 7 p. m.
River gage, 5.5 Feet
Relative humidity, 84 7 a. m. 94 7 p. m.

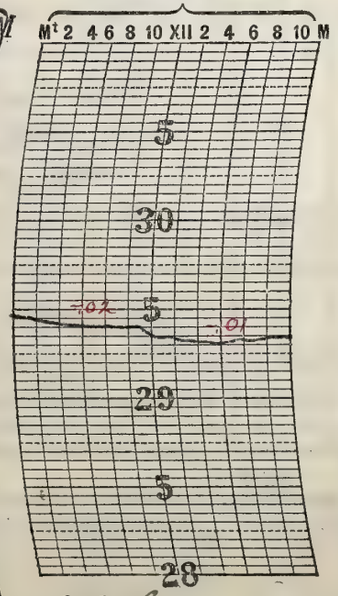
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 29.0 Wet temperature, 28.0
Dew-point, 26 R. humidity, 89 V. pressure, .136
Clouds: Amount, 10; Kind, St; Direction, SW
Velocity of clouds (miles per hour)

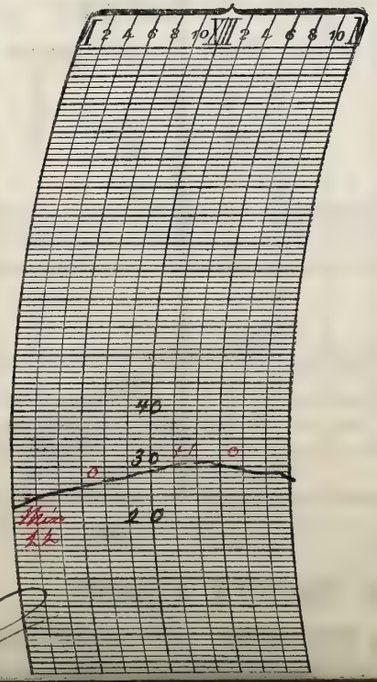
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Shore ice observed this morning
a cloudy and cold gloomy day

Prepared by .....
Verified by T. McDonough

Form No. 1014—Met'l.
U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) _____, (*Day of week*) _____, (*Date*) _____, 192

Time (local standard). 90° mer. normal time.

	A. M.												P. M.											
	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	27	27	26	25	24	24	23	23	25	26	27	28	29	29	29	28	26	26	25	24	23	23	21	21
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions							← Clear									Clear →								
Sunshine (in tenths of hours)								.92 0	1.0 0	0.3 0.5	1.0	1.0	1.0	1.0	0.2 0.8	1.0 0	.92 0							
Wind direction	NW	W	W	W	SW	W	W	W	W	NW	NW	NW	NW	NW	NW	NW	N	N	N	N	N	N	N	E
Wind movement	10	8	7	7	8	7	7	6	5	9	11	10	8	8	7	7	6	3	4	4	4	3	5	4
Maximum velocities (exceeding 29 miles) direction and time																								

Sunrise: Time, 7:05 Character, Clear
Moonrise: 5:23a

Sunset: Time, 4:19 Character, Clear
Moonset: 3:28p

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts

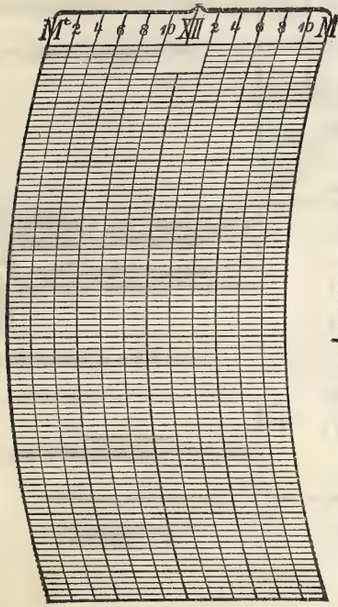
Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
29	21	25	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0.1 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Clear Moon phase, _____
Average daily cloudiness (0–10), 1
Actual sunshine, hours, 9.0 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 98
Prevailing wind direction, NW. Total wind 158
Average hourly velocity, 6.6 Extreme velocity, 12
Maximum velocity, 12 Direction, NW.
Time began, 12:38 a. m.
Reduced barometer, 30.27 7 a. m. 30.45 7, p. m.
River gage, 5.1 Feet
Relative humidity, 96 7 a. m. 83 7 p. m.

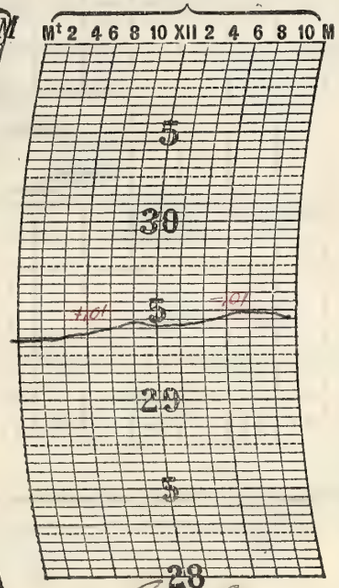
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 28.4 Wet temperature, 24.7
Dew-point, 17 R. humidity, 58 V. pressure, 089
Clouds: Amount, 1; Kind, Cu; Direction, NW.
Velocity of clouds (miles per hour) _____

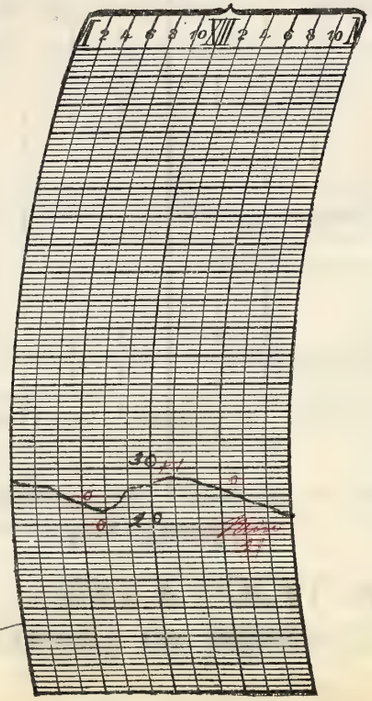
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Light snow was observed this morning.
A clear and cold day.

Prepared by _____

Verified by P. McDonough

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(*Station*) ....., (*Day of week*) ....., (*Date*) ....., 192

Time (local standard). 90 mer. normal time.

	A. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	21	20	19	20	20	20	21	21	23	25	26	29
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions							Cloudy					
Sunshine (in tenths of hours)								0	0	0	0	0.1
Wind direction	E	E	E	E	SE	SE	SE	SE	S	S	S	SW
Wind movement	4	5	3	3	4	5	5	7	9	9	9	12

	P. M. 12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour	32	33	34	34	34	35	35	35	34	34	35	34
State of weather. Nature of precipitation and time of beginning and ending						S^m B 5^{15} S^m E 5:30						
Amounts of precipitation						T						
Cloudiness and other conditions			Cloudy									
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	SW	S	S	SW	SW	SW	SW	SW	SW	SW	W	NW
Wind movement	11	11	13	10	9	10	10	12	14	16	14	14

Sunrise: Time, 7:06 Character, Cloudy
Moonrise: 6:16 a

Sunset: Time, 4:20 Character, Cloudy
Moonset: 4:19 p

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
35	19	27	

Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy Moon phase, New 11:33 p.
Average daily cloudiness (0-10), 9
Actual sunshine, hours, 0.1 Possible sunshine, hours, 9.2
Per cent of possible sunshine, 1
Prevailing wind direction, SW Total wind 219
Average hourly velocity, 9.1 Extreme velocity, 18
Maximum velocity, 18 Direction, SW.
Time began, 9:30 pm.
Reduced barometer, 30.33 7 a. m. 29.96 7 p. m.
River gage, 4.7 Feet.
Relative humidity, 90 7 a. m. 82 7 p. m.

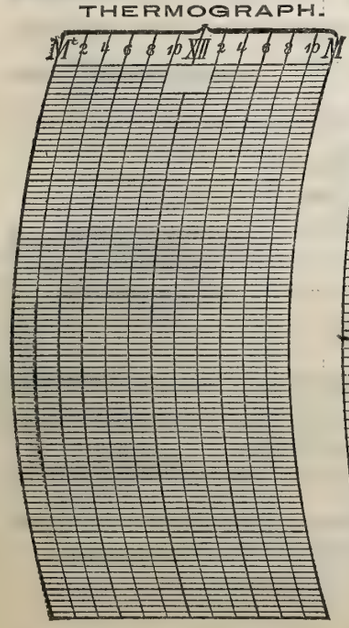
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

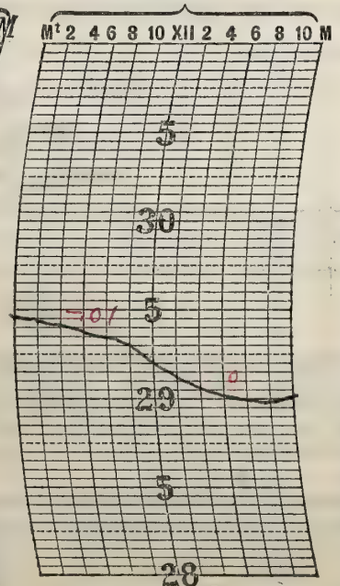
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 32.0 Wet temperature, 29.5
Dew-point, 26 R. humidity, 74 V. pressure, .136
Clouds: Amount, 8; Kind, Ast; Direction, NW.
Velocity of clouds (miles per hour)

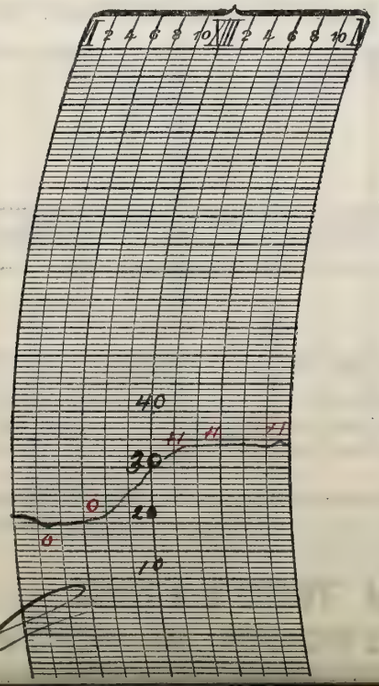
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Some ice and light floating ice observed this morning.
A cloudy day with temperature generally above freezing which considerable melting of the ice and sleigh snow on the streets.

Prepared by .....
Verified by P. McDonough

Form No. 1014—Met'l.
U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) Sunday, (Date) Nov. 28, 192

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	34	34	34	33	31	30	28	25	25	25	25	25
State of weather. Nature of precipitation and time of beginning and ending					S98 DNA		S9E 6:18	S8B 7:06	S8E 8:11			
Amounts of precipitation					—	—	—	—	—			
Cloudiness and other conditions							← Cloudy	x-pl	Cldy	x-	Clear	→
Sunrise: Time, Character,	7:06 Cloudy											
Moonrise:	7:03a											
Sunshine (in tenths of hours)								0	0.8	1.0	0.8	1.0
Wind direction	NW	NW	NW	NW	N	N	N	N	N	N	N	N
Wind movement	13	17	15	15	22	17	19	17	15	13	12	12

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	26	27	27	26	25	25	25	24	24	24	23	23
State of weather. Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions					Clear							
Sunset: Time, Character,									4:21 Clear			
Moonset:									5:12p			
Sunshine (in tenths of hours)	1.0	1.0	1.0	1.0 0	.35 0							
Wind direction	N	N	NW	NW	NW	NW	W	W	W	W	W	SW
Wind movement	9	8	8	7	6	2	3	3	3	4	5	7

Maximum velocities (exceeding 29 miles) direction and time.

Excessive precipitation, accumulated amounts

Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
35	23	29	

Total depth of snow for 24 hours ending 7 p. m., T inches.

Snow, sleet, and hail on ground 7 p. m., T inches.

Total snowfall, midnight to midnight, T inches.

Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.

Total precipitation, midnight to midnight, T inches.

Character of day, Clear Moon phase,

Average daily cloudiness (0-10), 2

Actual sunshine, hours, 8.0 Possible sunshine, hours, 9.2

Per cent of possible sunshine, 87

Prevailing wind direction, N Total wind 252

Average hourly velocity, 10.5 Extreme velocity, 31

Maximum velocity, 29 Direction, N

Time began, 4:03 a.m.

Reduced barometer, 30.29 7 a. m. 30.43 7, p. m.

River gage, 4.7 Feet.

Relative humidity, 82 7 a. m. 73 7 p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

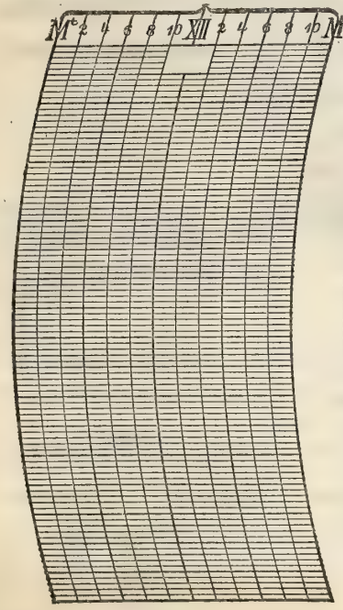
Dry temperature, 25.5 Wet temperature, 23.1

Dew-point, 18 R. humidity, 70 V. pressure, .023

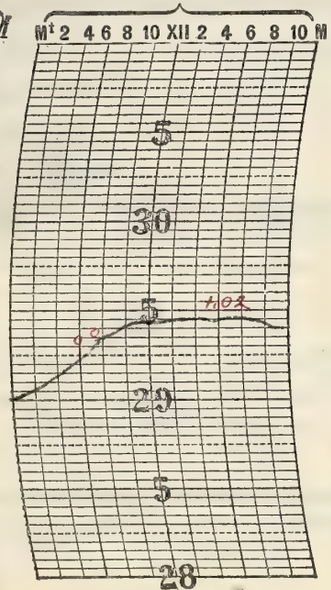
Clouds: Amount, Few; Kind, Cu; Direction, N

Velocity of clouds (miles per hour)

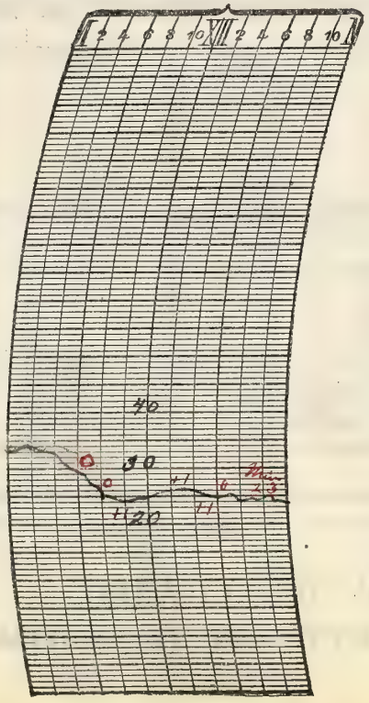
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Snow was observed this morning. A clear, bright and sunshiny day though temperatures were somewhat low.

Prepared by C.O.S.

Verified by P. McDonough

8—186

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) _____, (Date) _____, 192

Time (local standard). 90 mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	23	23	23	24	24	24	24	24	26	28	30	33
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	Pl. Cldy →						← Cloudy	×	Pl. Cloudy	×	Clear	
Sunshine (in tenths of hours)								0	0.2	1.0	1.0	1.0
Wind direction	S	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
Wind movement	9	8	6	9	10	9	10	12	16	18	19	18
Maximum velocities (exceeding 29 miles) direction and time												

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	35	37	35	35	34	34	35	35	36	37	37	38
State of weather: Nature of precipitation and time of beginning and ending												
Amounts of precipitation												
Cloudiness and other conditions	×	Pl. Cloudy	×		Cloudy							→
Sunshine (in tenths of hours)	1.0	0.8	0	0	0							
Wind direction	SW	SW	S	S	S	S	S	S	S	SW	SW	SW
Wind movement	18	18	16	15	15	16	16	19	21	22	22	30
Maximum velocities (exceeding 29 miles) direction and time												36 SW 11:32

Sunrise: Time, 7:06 Character, Cloudy
Moonrise: 7:46 a
Sunset: Time, 4:21 Character, Cloudy
Moonset: 6:08 p.

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
40	23	32	

Total depth of snow for 24 hours ending 7 p. m., 0 inches.
Snow, sleet, and hail on ground 7 p. m., 0 inches.
Total snowfall, midnight to midnight, 0 inches.
Precipitation to 7 a. m., 0 ins.; to 7 p. m., 0 ins.
Total precipitation, midnight to midnight, 0 inches.
Character of day, Pl. Cloudy Moon phase, _____
Average daily cloudiness (0-10), 6
Actual sunshine, hours, 5.0 Possible sunshine, hours, 9.3
Per cent of possible sunshine, 54
Prevailing wind direction, SW Total wind 372
Average hourly velocity, 15.5 Extreme velocity, 44
Maximum velocity, 36 Direction, SW
Time began, _____
Reduced barometer, 30.22 7 a. m. 29.86 7 p. m.
River gage, 4.2 Feet.
Relative humidity, 82 7 a. m. 64 7 p. m.

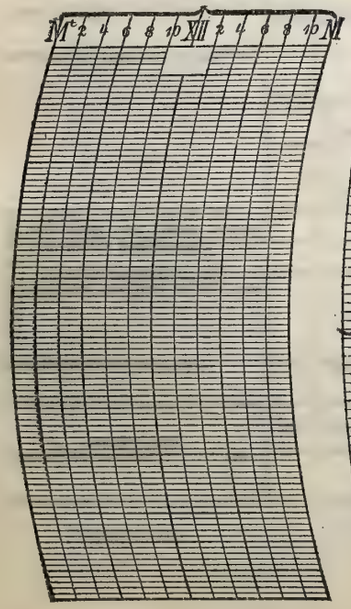
Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below. 5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Excessive precipitation, accumulated amounts _____

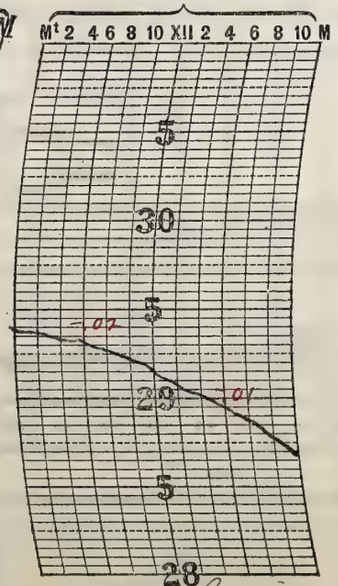
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 34.6 Wet temperature, 31.1
Dew-point, 26 R. humidity, 68 V. pressure, 136
Clouds: Amount, 2; Kind, Cu.; Direction, W.
Velocity of clouds (miles per hour) _____

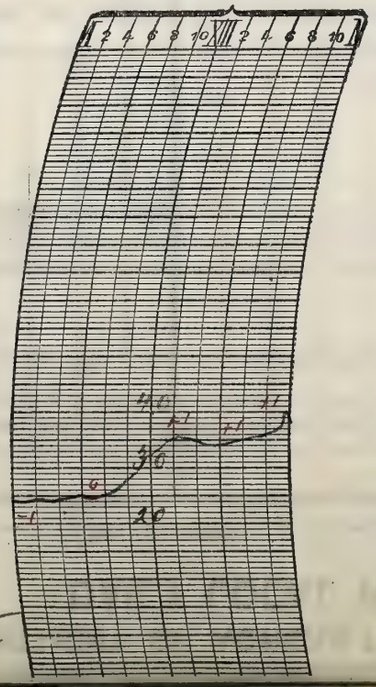
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Shore ice and light floating ice observed this morning.
A partly cloudy day with moderate temperatures.

Prepared by E. C. S.
Verified by C. M. Donnegan

Form No. 1014—Met'l.
U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

Form No. 1014—Met. 1.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) Fort Wayne, Ind., (Day of week) [illegible], (Date) [illegible], 192

Time (local standard). 90th mer. normal time.

	A. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	36	39	38	39	38	38	37	36	34	33	32	31
State of weather: Nature of precipitation and time of beginning and ending						Sm B 5:47		Sm E 7:36			Sm B 10:40	
Amounts of precipitation						—	—	—			—	—
Cloudiness and other conditions	← Cloudy →						← Cloudy →					
Sunrise: Time, Character,	7:06 Cloudy											
Moonrise:	8:23a											
Sunshine (in tenths of hours)								0	0	0	0	0
Wind direction	SW	SW	SW	SW	SW	W	W	W	W	W	W	W
Wind movement	23	27	32	35	32	29	30	30	28	29	28	28
Maximum velocities (exceeding 29 miles) direction and time	30 SW 11:02	30 SW 1:40	40 SW 2:39	42 SW 3:40	40 SW 4:13	31 SW 5:53	35 W 6:03	36 W 7:04	31 W 8:37	36 W 9:15	31 W 10:18	30 W 11:00

	P. M. 12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour	31	31	31	30	30	30	31	30	29	28	26	25
State of weather: Nature of precipitation and time of beginning and ending				Sm E 4:00			Sm B 6:30					
Amounts of precipitation	—	—	—	—			—	—	—	—	—	—
Cloudiness and other conditions	Cloudy →						Cloudy →					
Sunset: Time, Character,									4:32 Cloudy			
Moonset:									7:07p.			
Sunshine (in tenths of hours)	0	0	0	0	0							
Wind direction	W	W	W	W	W	W	W	W	W	NW	NW	NW
Wind movement	17	25	24	20	18	15	18	21	18	18	13	15
Maximum velocities (exceeding 29 miles) direction and time	23 W 12:42											

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.
39	25	32	

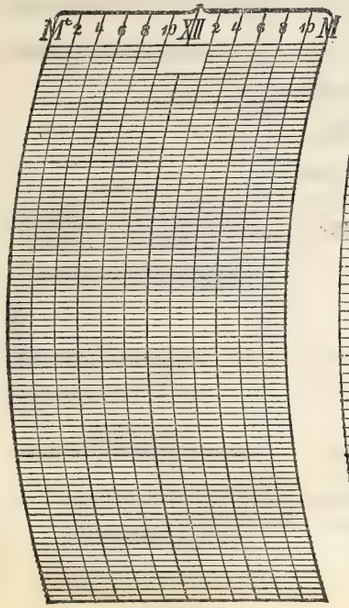
Total depth of snow for 24 hours ending 7 p. m., T inches.
Snow, sleet, and hail on ground 7 p. m., T inches.
Total snowfall, midnight to midnight, T inches.
Precipitation to 7 a. m., T ins.; to 7 p. m., T ins.
Total precipitation, midnight to midnight, T inches.
Character of day, Cloudy. Moon phase,
Average daily cloudiness (0-10), 10
Actual sunshine, hours, 0 Possible sunshine, hours, 9.3
Per cent of possible sunshine, 0
Prevailing wind direction, NW Total wind 586
Average hourly velocity, 24.4 Extreme velocity, 44
Maximum velocity, 42 Direction, SW
Time began, 3:40 a.m.
Reduced barometer, 29.64 7 a. m. 29.43 7, p. m.
River gage, 3.8 feet.
Relative humidity, 66 7 a. m. 89 7 p. m.

Excessive precipitation, accumulated amounts	Total duration. From—	To—	Total amount of precipitation.	Excessive rate. Began—	Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

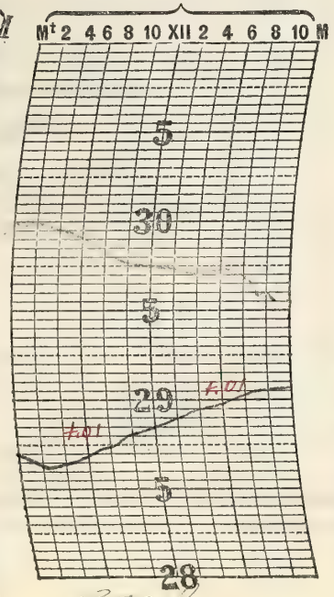
OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, 31.0 Wet temperature, 28.0
Dew-point, 23 R. humidity, 69 V. pressure, .118
Clouds: Amount, 10; Kind, Strat.; Direction, W
Velocity of clouds (miles per hour)

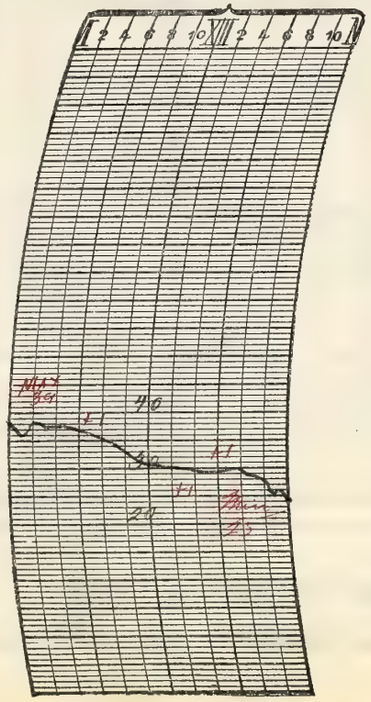
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

A cloudy day with snow showers and moderate temperatures.

Prepared by [illegible]

Verified by P. M. Donough

8—480

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) ....., *(Day of week)* ....., *(Date)* ....., *192*

Time (local standard). ..... mer. normal time.	A. M.												P. M.											
	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour																								
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions																								
	Sunrise: Time, Character, ... Moonrise:																				Sunset: Time, Character, ... Moonset:			
Sunshine (in tenths of hours)																								
Wind direction																								
Wind movement																								
Maximum velocities (exceeding ..... miles) direction and time																								

	Total duration.		Total amount of precipitation.	Excessive rate.		Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below.												
	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.

Total depth of snow for 24 hours ending ..... p. m., ... inches.

Snow, sleet, and hail on ground ..... p. m., ... inches.

Total snowfall, midnight to midnight, ... inches.

Precipitation to ..... a. m., ... ins.; to ..... p. m., ... ins.

Total precipitation, midnight to midnight, ... inches.

Character of day, ... Moon phase, ...

Average daily cloudiness (0–10), ...

Actual sunshine, hours, ... Possible sunshine, hours, ...

Per cent of possible sunshine, ...

Prevailing wind direction, ... Total wind .....

Average hourly velocity, ... Extreme velocity, ...

Maximum velocity, ... Direction, ...

Time began, ...

Reduced barometer, ... a. m. ....., p. m.

River gage, ...

Relative humidity, ... a. m. ..... p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

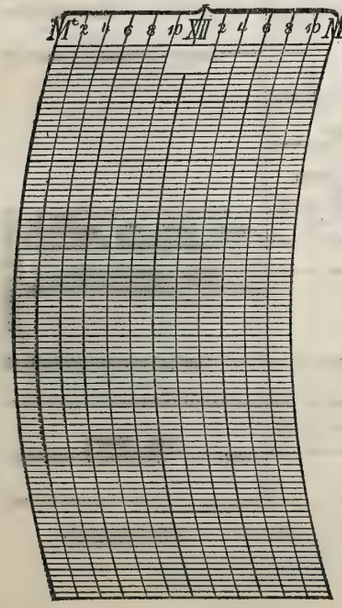
Dry temperature, ... Wet temperature, ...

Dew-point, ... R. humidity, ... V. pressure, ...

Clouds: Amount, ...; Kind, ...; Direction, ...

Velocity of clouds (miles per hour) .....

THERMOGRAPH.



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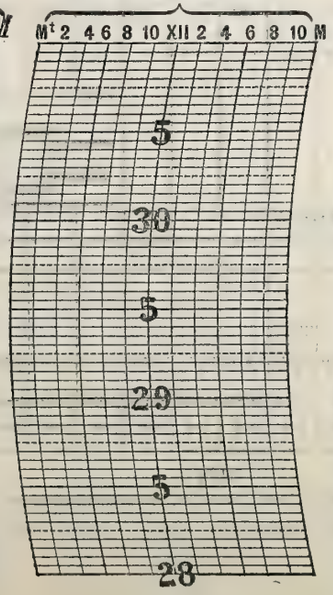

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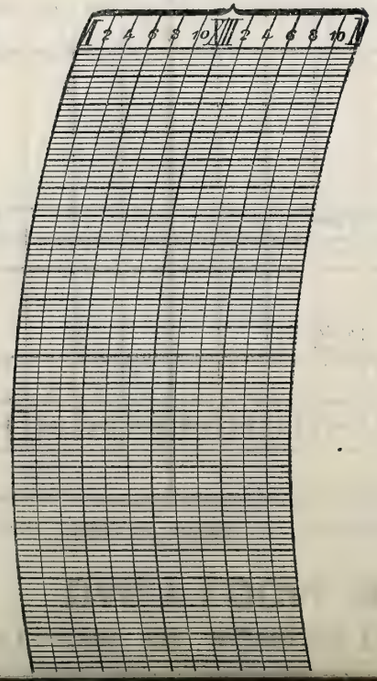

NOTES.

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Prepared by .....

Verified by .....

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

Form No. 1012—Rev 1.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) ....., *(Day of week)* ....., *(Date)* ....., *192*

Time (local standard). ..... mer. normal time.	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour																								
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions																								
	Sunrise: Time, Character, Moonrise:																				Sunset: Time, Character, Moonset:			
Sunshine (in tenths of hours)																								
Wind direction																								
Wind movement																								
Maximum velocities (exceeding .....miles) direction and time																								

	Total duration.		Total amount of precipitation.	Excessive rate.		Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below.												
	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.

Total depth of snow for 24 hours ending ..... p. m., ... inches.

Snow, sleet, and hail on ground ..... p. m., ... inches.

Total snowfall, midnight to midnight, ... inches.

Precipitation to ..... a. m., ... ins.; to ..... p. m., ... ins.

Total precipitation, midnight to midnight, ... inches.

Character of day, ... Moon phase, ...

Average daily cloudiness (0-10), ...

Actual sunshine, hours, ... Possible sunshine, hours, ...

Per cent of possible sunshine, ...

Prevailing wind direction, ... Total wind .....

Average hourly velocity, ... Extreme velocity, ...

Maximum velocity, ... Direction, ...

Time began, ...

Reduced barometer, ... a. m. ....., p. m.

River gage, ...

Relative humidity, ... a. m. ..... p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

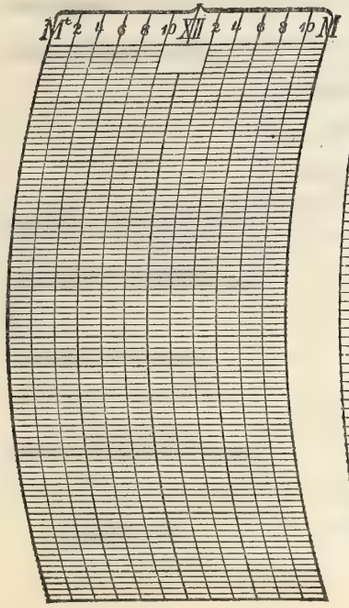
Dry temperature, ... Wet temperature, ...

Dew-point, ... R. humidity, ... V. pressure, ...

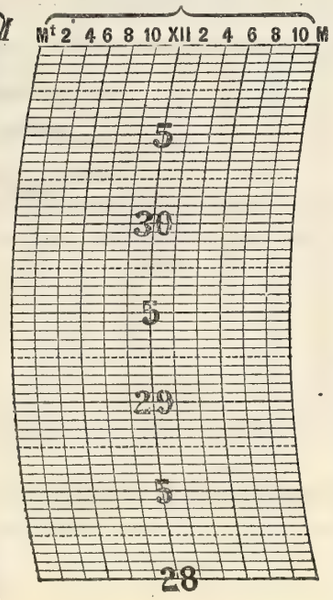
Clouds: Amount, ...; Kind, ...; Direction, ...

Velocity of clouds (miles per hour) .....

THERMOGRAPH.



BAROGRAPH.



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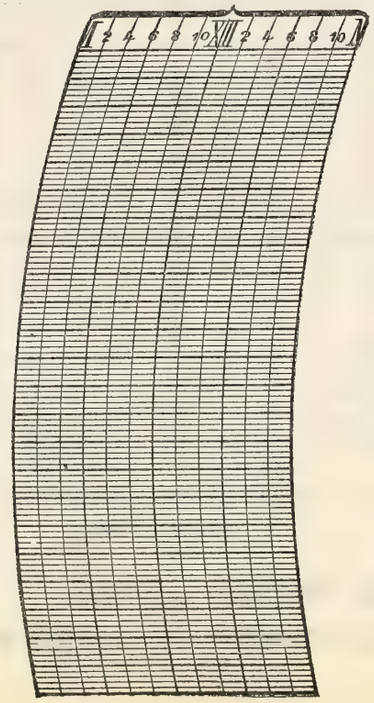


NOTES.

Prepared by .....

Verified by .....

S—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) ....., *(Day of week)* ....., *(Date)* ....., *192*

Time (local standard). ..... mer. normal time.	A. M.												P. M.											
	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour																								
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions																								
	Sunrise: Time, ... Character, ... Moonrise:																				Sunset: Time, ... Character, ... Moonset:			
Sunshine (in tenths of hours)																								
Wind direction																								
Wind movement																								
Maximum velocities (exceeding ..... miles) direction and time																								

Total duration.		Total amount of precipitation.	Excessive rate.		Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below.													
From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																			

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.

Total depth of snow for 24 hours ending ..... p. m., ... inches.

Snow, sleet, and hail on ground ..... p. m., ... inches.

Total snowfall, midnight to midnight, ... inches.

Precipitation to ..... a. m., ... ins.; to ..... p. m., ... ins.

Total precipitation, midnight to midnight, ... inches.

Character of day, ... Moon phase, ...

Average daily cloudiness (0–10), ...

Actual sunshine, hours, ... Possible sunshine, hours, ...

Per cent of possible sunshine, ...

Prevailing wind direction, ... Total wind .....

Average hourly velocity, ... Extreme velocity, ...

Maximum velocity, ... Direction, ...

Time began, ...

Reduced barometer, ... a. m. ....., p. m.

River gage, ...

Relative humidity, ... a. m. ..... p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

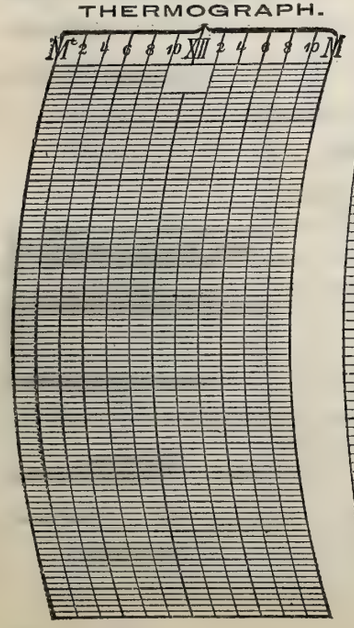
Dry temperature, ... Wet temperature, ...

Dew-point, ... R. humidity, ... V. pressure, ...

Clouds: Amount, ...; Kind, ...; Direction, ...

Velocity of clouds (miles per hour) .....

THERMOGRAPH.



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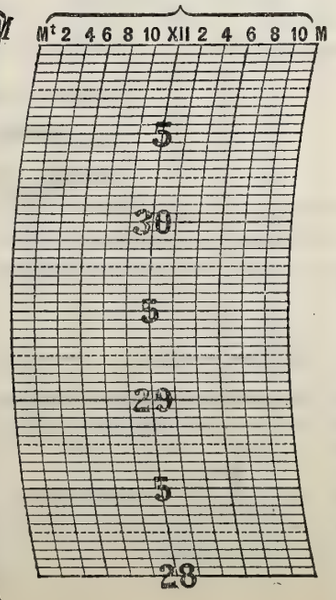

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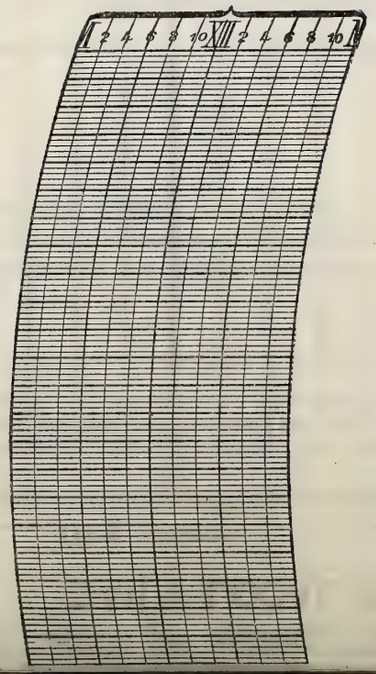


NOTES.

Prepared by .....

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) ....., *(Day of week)* ....., *(Date)* ....., *192*

Time (local standard). ..... mer. normal time.	A. M.												P. M.											
	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour																								
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions																								
	Sunrise: Time, Character, ... Moonrise:																				Sunset: Time, Character, ... Moonset:			
Sunshine (in tenths of hours)																								
Wind direction																								
Wind movement																								
Maximum velocities (exceeding ..... miles) direction and time																								

	Total duration.		Total amount of precipitation.	Excessive rate.		Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below.												
	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.

Total depth of snow for 24 hours ending ..... p. m., ... inches.

Snow, sleet, and hail on ground ..... p. m., ... inches.

Total snowfall, midnight to midnight, ... inches.

Precipitation to ..... a. m., ... ins.; to ..... p. m., ... ins.

Total precipitation, midnight to midnight, ... inches.

Character of day, ... Moon phase, ...

Average daily cloudiness (0–10), ...

Actual sunshine, hours, ... Possible sunshine, hours, ...

Per cent of possible sunshine, ...

Prevailing wind direction, ... Total wind .....

Average hourly velocity, ... Extreme velocity, ...

Maximum velocity, ... Direction, ...

Time began, ...

Reduced barometer, ... a. m. ....., p. m.

River gage, ...

Relative humidity, ... a. m. ..... p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

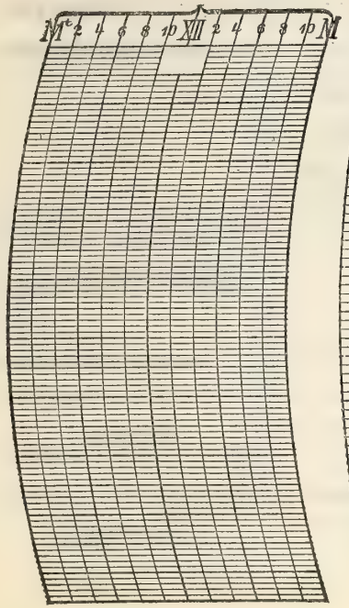
Dry temperature, ... Wet temperature, ...

Dew-point, ... R. humidity, ... V. pressure, ...

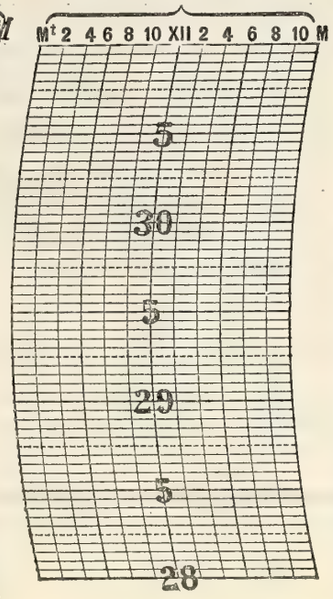
Clouds: Amount, ...; Kind, ...; Direction, ...

Velocity of clouds (miles per hour) .....

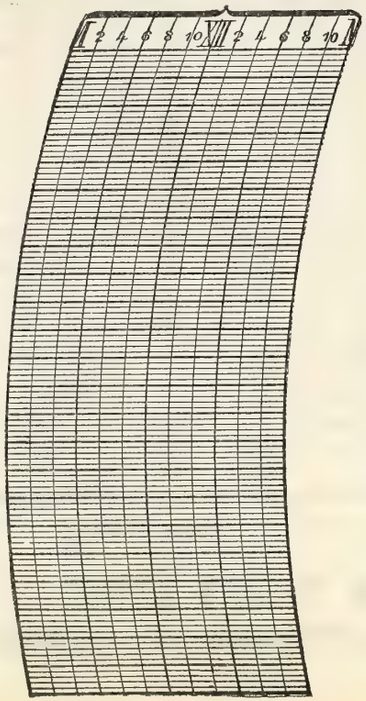
THERMOGRAPH.



BAROGRAPH.



THERMOGRAPH.



NOTES.

Prepared by .....

Verified by .....

8—486

Form No. 1014—Met'l.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

DAILY LOCAL RECORD.

(Station) _____, *(Day of week)* _____, *(Date)* _____, *192*

Time (local standard). ____ mer. normal time.	A. M.												P. M.											
	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour																								
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions																								
	Sunrise: Time, ____ Character, ____ Moonrise: ____ ____																				Sunset: Time, ____ Character, ____ Moonset: ____ ____			
Sunshine (in tenths of hours)																								
Wind direction																								
Wind movement																								
Maximum velocities (exceeding ____ miles) direction and time																								

Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.

Accumulated depths during excessive rate, for consecutive periods of time indicated below.

Excessive precipitation, accumulated amounts

Maximum temperature.	Minimum temperature.	Mean temperature.	Normal temperature.

Total depth of snow for 24 hours ending ____ p. m., ____ inches.

Snow, sleet, and hail on ground ____ p. m., ____ inches.

Total snowfall, midnight to midnight, ____ inches.

Precipitation to ____ a. m., ____ ins.; to ____ p. m., ____ ins.

Total precipitation, midnight to midnight, ____ inches.

Character of day, ____ Moon phase, ____

Average daily cloudiness (0–10), ____

Actual sunshine, hours, ____ Possible sunshine, hours, ____

Per cent of possible sunshine, ____

Prevailing wind direction, ____ Total wind ____

Average hourly velocity, ____ Extreme velocity, ____

Maximum velocity, ____ Direction, ____

Time began, ____ ____

Reduced barometer, ____ a. m. ____, p. m.

River gage, ____

Relative humidity, ____ a. m. ____ p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

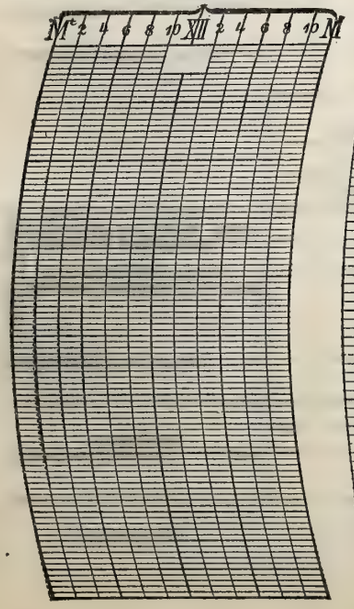
Dry temperature, ____ Wet temperature, ____

Dew-point, ____ R. humidity, ____ V. pressure, ____

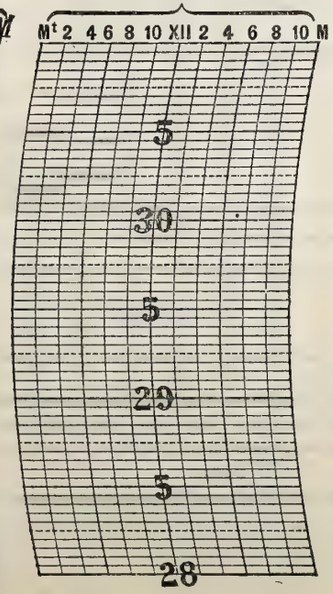
Clouds: Amount, ____; Kind, ____; Direction, ____

Velocity of clouds (miles per hour) ____

THERMOGRAPH.



BAROGRAPH.



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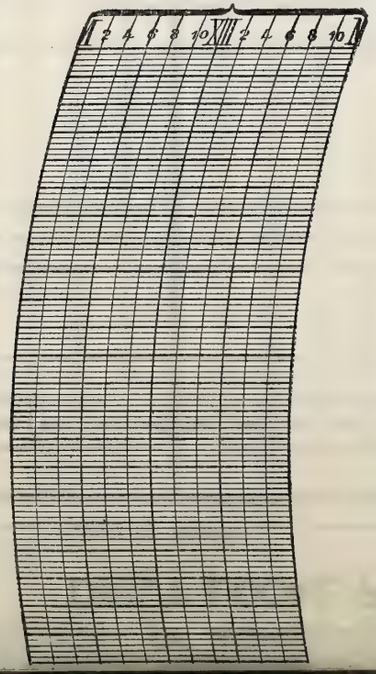

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DAILY LOCAL RECORD.

(Station) ....., *(Day of week)* ....., *(Date)* ....., *192*

Time (local standard). ..... mer. normal time.	A. M.												P. M.											
	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	12-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12
Temperature at end of hour																								
State of weather. Nature of precipitation and time of beginning and ending																								
Amounts of precipitation																								
Cloudiness and other conditions																								
	Sunrise: Time, Character, ... Moonrise:																				Sunset: Time, Character, ... Moonset:			
Sunshine (in tenths of hours)																								
Wind direction																								
Wind movement																								
Maximum velocities (exceeding .....miles) direction and time																								

	Total duration.		Total amount of precipitation.	Excessive rate.		Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below.												
	From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Excessive precipitation, accumulated amounts																				

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Total depth of snow for 24 hours ending ..... p. m., ... inches.

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Precipitation to ..... a. m., ... ins.; to ..... p. m., ... ins.

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Character of day, ... Moon phase, ...

Average daily cloudiness (0-10), ...

Actual sunshine, hours, ... Possible sunshine, hours, ...

Per cent of possible sunshine, ...

Prevailing wind direction, ... Total wind .....

Average hourly velocity, ... Extreme velocity, ...

Maximum velocity, ... Direction, ...

Time began, ... , ...

Reduced barometer, ... a. m. ....., p. m.

River gage, ...

Relative humidity, ... a. m. ..... p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

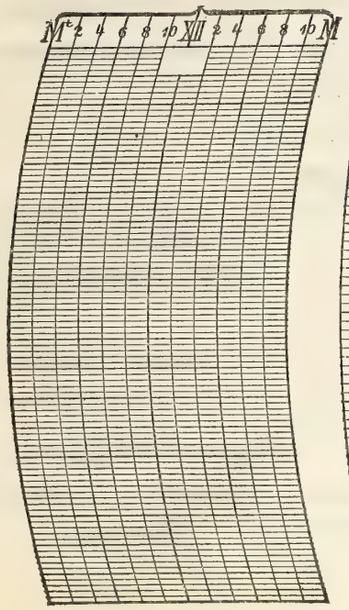
Dry temperature, ... Wet temperature, ...

Dew-point, ... R. humidity, ... V. pressure, ...

Clouds: Amount, ...; Kind, ...; Direction, ...

Velocity of clouds (miles per hour) .....

THERMOGRAPH.



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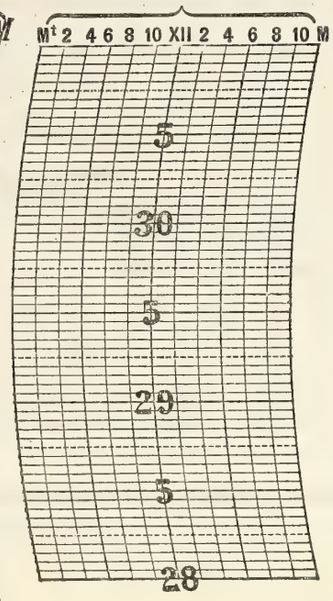

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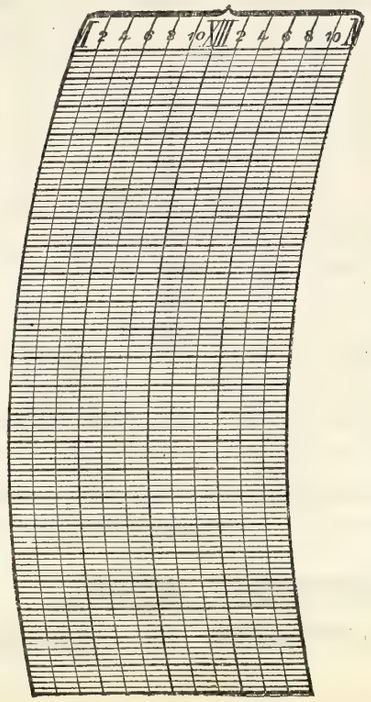

NOTES.

Prepared by .....

Verified by .....

8—486

Form No. 1014—Met'l.

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DAILY LOCAL RECORD.

(Station) _____, *(Day of week)* _____, *(Date)* _____, *192*

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	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12	12–1	1–2	2–3	3–4	4–5	5–6	6–7	7–8	8–9	9–10	10–11	11–12
Temperature at end of hour																								
State of weather. Nature of precipitation and time of beginning and ending																								
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	Sunrise: Time, ____ Character, ____ Moonrise: ____ ____																				Sunset: Time, ____ Character, ____ Moonset: ____ ____			
Sunshine (in tenths of hours)																								
Wind direction																								
Wind movement																								
Maximum velocities (exceeding ____ miles) direction and time																								

Total duration.		Total amount of precipitation.	Excessive rate.		Amount before excessive began.	Accumulated depths during excessive rate, for consecutive periods of time indicated below.												
From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
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Maximum velocity, _____ Direction, _____

Time began, _____ _____

Reduced barometer, _____ a. m. _____, p. m.

River gage, _____

Relative humidity, _____ a. m. _____ p. m.

OBSERVATIONS AT 12 NOON.
(Local Mean Time.)

Dry temperature, _____ Wet temperature, _____

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Clouds: Amount, _____; Kind, _____; Direction, _____

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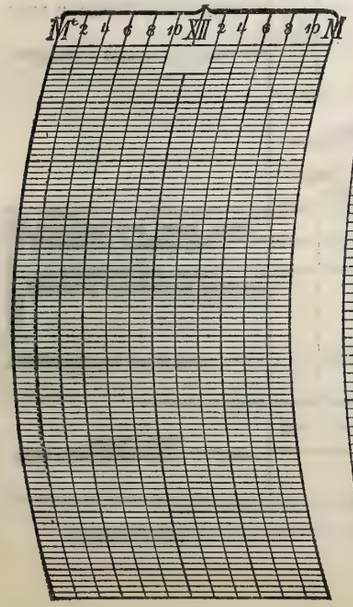
THERMOGRAPH.



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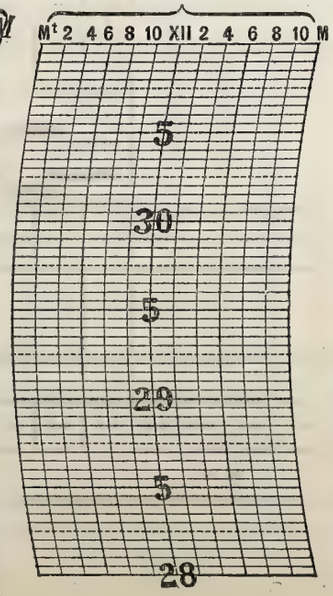

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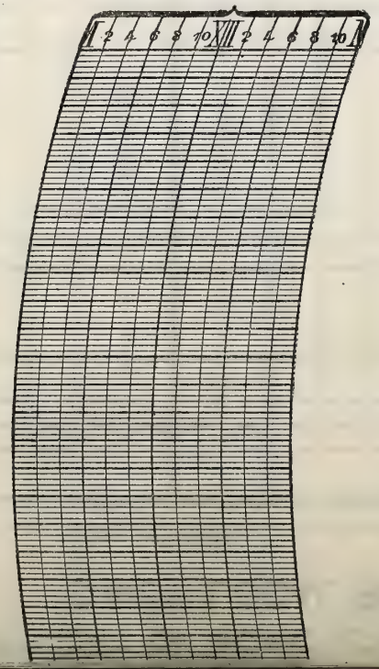

NOTES.

Prepared by _____

INDEX, DAILY LOCAL RECORD, 1921.

SUBJECTS.	JANUARY.	FEBRUARY.	MARCH.	APRIL.	MAY.	JUNE.	JULY.	AUGUST.	SEPTEMBER.	OCTOBER.	NOVEMBER.	DECEMBER.
Auroras	0	0	0	0	14	0	0	0	0	0	0	0
Clouds, special formation	0	0	0	0	0	0	0	0	0	0	0	0
Cold waves	0	0	0	0	0	0	0	0	0	0	0	0
Dew, heavy deposits of	0	0	0	0	0	6, 29	0	4, 13, 19, 29,	0	1, 3	0	0
Droughts	0	0	0	0	0	0	0	0	0	0	0	0
Earthquakes	0	0	0	0	0	0	0	0	0	0	0	0
Fires, forest	0	0	0	0	0	0	0	0	0	0	0	0
Fog, dense	21, 22	4, 5, 8	13, 14	0	0	0	0	0	15	28, 30, 31	3, 17, 23, 27, 30	0
Floods, other than in rivers	0	0	0	0	0	0	0	0	0	0	0	0
Frosts, light	—	—	—	19	1, 15, 16, 17	0	0	0	0	4, 5	—	—
Heavy	—	—	—	1	0	0	0	0	0	0	—	—
Killing	—	—	—	11, 18	0	0	0	0	0	13	—	—
First killing after July 15	—	—	—	—	—	—	—	—	—	13	—	—
Last killing before July 15	—	—	—	18	—	—	—	—	—	—	—	—
Last heavy before July 15	—	—	—	1	—	—	—	—	—	—	—	—
First heavy after July 15	—	—	—	—	—	—	—	—	—	13	—	—
Hail. *See* Precipitation	0	0	0	0	0	0	—	—	—	0	0	0
Ice	0	0	0	0	0	0	0	0	0	0	0	22, 23, 24
Lightning, damage by	0	0	0	0	0	25	0	0	0	0	0	0
Deaths by	0	0	0	0	0	0	0	0	0	0	0	0
Meteors	0	0	0	0	0	6	0	0	0	0	0	0
Navigation, opening	0	—	—	—	—	0	—	—	—	—	—	—
Closing	—	—	—	—	—	—	—	—	—	—	—	—
Impeded	—	—	—	—	—	—	—	—	—	—	—	—
Observations, not taken	0	0	0	0	0	0	0	0	0	0	0	0
Taken late	0	0	0	0	0	0	0	0	0	0	0	0
Special	30, 31	19, 26	2, 3, 8, 12, 13, 14, 28	16, 22	11, 13, 21	0	0	0	0	2, 25, 29	19, 21, 24	2, 20, 21, 24
Optical phenomena, haze	0	0	0	18, 19	29, 30	2, 20	6, 7, 25	13, 25	0	0	0	0
Coronæ	0	0	18	0	0	0	0	0	0	0	0	0
Halo, lunar	0	18	21	0	0	0	0	0	18	15	0	0
Solar	4, 6	19, 21	15, 16, 17, 21, 23	5	22, 23	5, 12, 23	0	15, 22, 23	24	26	1, 8	0
Parhelia	0	0	17	0	0	0	0	0	0	0	0	0
Parselenæ	0	0	0	0	0	0	0	0	0	0	0	0
Rainbows	0	0	0	26, 27	0	0	0	0	0	0	0	0
Sunrise, peculiar	0	0	0	0	0	0	0	0	0	0	0	0
Sunset, peculiar	0	0	0	0	0	0	0	0	0	0	0	0
Zodiacal light	0	0	0	0	0	0	0	0	0	0	0	0
Precipitation, rain, heavy	0	0	27	0	31	0	0	2	0	0	0	0
Excessive	Not recorded	Not recorded	Not recorded.	0	31	18, 25	0	0	0	0	Not recorded	Not recorded,
Sleet	0	0	0	17	0	0	0	0	0	8	9	0

ENTER DATES, NOT PAGES.

INDEX: DAILY LOCAL RECORD, 1937

INDEX, DAILY LOCAL RECORD, 1921.

SUBJECTS.	JANUARY.	FEBRUARY.	MARCH.	APRIL.	MAY.	JUNE.	JULY.	AUGUST.	SEPTEMBER.	OCTOBER.	NOVEMBER.	DECEMBER.
Precipitation—Continued.												
Snow, light	5, 11, 12, 13, 14, 15, 19, 19, 25, 30, 31	1, 2, 3, 10, 11, 12, 17, 23-24-25-26	3, 4, 28	9, 10, 17	0	0	0	0	0	3	9, 11, 12, 13	4, 5, 12, 13, 14, 19, 18, 21, 24, 25, 28, 29, 31
Heavy	0	0	0	0	0	0	0	0	0	0	0	0
Hail	0	0	0	0	0	18	0	0	0	0	6	0
Wet periods	11-17	1 to 11.	1 to 9, 24 to 28.	7 to 10, 25 to 29	11 to 13, 23 to 28	25 to 28	0	0	0	0	9-13, 16-19, 23-27.	11-14, 21-25
Rivers, rapid rise	0	7-8	8, 25, 28	0	24	0	0	0	0	0	18 to 19	18
Flood stages	0	0	13, 28, 29, 30, 31	0	0	0	0	0	0	0	20, 21, 22	0
Low-water stages, unusual	0	0	0	0	0	0	0	0	0	0	0	0
High water, periods of	0	8, 9, 10	8 to 16, 25 — to 2, 18 to 19		0	0	0	0	0	0	19-25,	18-20,
Frozen	0	0	0	0	0	0	0	0	0	0	0	0
Floating débris	0	0	0	0	0	0	0	0	0	0	0	0
Gorges	0	0	0	0	0	0	0	0	0	0	0	0
Running ice	0	0	0	0	0	0	0	0	0	0	0	0
Warnings. *See* Warnings	—	0	—	—	—	—	—	—	—	—	—	—
Smoke, light	0	15	0	0	0	0	0	26	0	14, 21, 24	0	20
Dense	0	0	0	0	0	0	0	0	0	0	0	0
Temperature, unusually high	0	15, 16.	19, 20	0	0	0	0	0	0	0	0	1
Unusually low	0	0	0	0	0	0	0	0	0	0	0	0
Sudden rise	0	14-15	19	0	0	0	0	0	0	0	0	0
Sudden fall	0	16-17	28	0	0	0	0	0	0	0	0	0
Periods of high	0	0	0	0	0	0	0	0	0	0	0	0
Periods of low	0	0	0	0	0	0	0	0	0	0	0	0
Thunderstorms	0	0	5, 7, 12, 13, 25, 26, 27.	25, 26	6, 12, 23, 24, 25, 27, 28, 31.	22, 25, 27, 28 2, 3, 10, 11, 18, 21,	4, 6, 8, 28, 30	6, 17, 19, 20, 27	1, 2, 4, 10, 11, 17, 21, 24, 29	19, 27	18	0
Tornadoes	0	0	0	0	0	0	0	0	0	0	0	0
Warnings, advisory	0	0	0	0	0	0	0	0	0	0	19	0
Cold wave	16, 29	0	12, 26, 27.	0	0	0	0	0	0	0	19	22,
Emergency	0	0	0	0	0	0	0	0	0	0	0	0
Frost	0	0	0	17	15, 16	0	0	0	0	7	—	—
Hurricane	0	0	0	0	0	0	0	0	0	0	0	0
Rapid rise in river	0	0	0	0	0	0	0	0	0	0	0	0
Flood	0	0	8, 12, 27, 28	0	0	0	0	0	0	0	19	0
Winds, 25 to 39 miles per hour	1-2, 5, 14, 25, 26	3, 15, 16, 17, 22, 23	2, 5, 8, 15, 18, 23, 24, 25, 27, 28, 30	2, 12, 16, 17, 21, 22, 24, 26, 27, 29, 30	6, 13, 15, 24, 31.	2, 10, 11, 27,	14, 26, 27, 30	6, 17, 19, 27	29, 30. 9, 17, 21, 22, 25,	5, 11, 13, 17, 22, 25, 29, 31	1, 4, 8, 9, 10, 19, 28	3, 5, 13, 16, 18, 29, 30
40 miles per hour, or over	0	0	6	0	0	18	0	0	0	0	0	17, 31
Hurricanes	0	0	0	0	0	0	0	0	0	0	0	0

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